



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

York / Johnson Controls, Inc.
1499 East Philadelphia Street
York, PA 17403

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "York Custom", "PACE", "Miller-Picking", Air Handling Units

APPROVAL DOCUMENT: Drawing No. 12-06, titled "York Custom (PACE & Miller-Picking) Air Handling Unit", sheets 1 through 19 of 19, and 7.1, 11.1, 11.2, prepared by Al-Farooq Corporation, dated December 10, 2012, Last revision #E dated June 09, 2016, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, York, PA or Albany, MO and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #14-0903.01 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
08/04/2016

NOA No. 16-0614.07
Expiration Date: 12/26/2018
Approval Date: 08/04/2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-1213.01

A. DRAWINGS

1. Drawing No. 12-06, titled "Solution Air Handling Unit", sheets 1 through 19 of 19, and 7.1, 11.1, 11.2, prepared by Al-Farooq Corporation, dated December 10, 2012, last revision #C dated October 01, 2013, signed and sealed by Javad Ahmad, P.E., on November 22, 2013.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per TAS 202-94, 2) Large Missile Impact Test per TAS 201-94, 3) Cyclic Wind Pressure Loading per TAS 203-94, along with marked-up drawings and installation diagram of Solution Air Handling Unit, prepared by Architectural Testing, Test Report No. C0445.01-801-18, dated 05/30/2013, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Panel and fasteners analysis prepared by Al-Farooq Corporation, dated December 13, 2012, signed and sealed by Javad Ahmad, P.E., on January 22, 2013.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Test report on foam, per ASTM D 1929 and ASTM E 84 of Solution Air Handler Unit, prepared by Architectural Testing, Test Report No. D3012.02-106-18, dated 11/20/2013, signed and sealed by Gary T. Hartman, P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0903.01

A. DRAWINGS

1. Drawing No. 12-06, titled "Solution Air Handling Unit", sheets 1 through 19 of 19, and 7.1, 11.1, 11.2, prepared by Al-Farooq Corporation, dated December 10, 2012, Last revision #D dated August 22, 2014, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per TAS 202-94, 2) Large Missile Impact Test per TAS 201-94, 3) Cyclic Wind Pressure Loading per TAS 203-94, along with marked-up drawings and installation diagram of Solution Air Handling Unit, prepared by Architectural Testing, Test Report No. D9362.01-109-18, dated 08/19/2014, signed and sealed by Michael D. Stremmel, P.E.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-0614.07
Expiration Date: 12/26/2018
Approval Date: 08/04/2016

York / Johnson Controls, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *Panel and fasteners analysis, 8 pages, prepared by Al-Farooq Corporation, dated August 22, 2014, signed and sealed by Javad Ahmad, P.E., on August 29, 2014.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Florida Building Code, 2014 Edition, compliance letter, dated August 26, 2014, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., on August 29, 2014.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 12-06, titled "York Custom (PACE & Miller-Picking) Air Handling Unit", sheets 1 through 19 of 19, and 7.1, 11.1, 11.2, prepared by Al-Farooq Corporation, dated December 10, 2012, Last revision #E dated June 09, 2016, signed and sealed by Javad Ahmad, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Florida Building Code, 2014 Edition, compliance letter, dated June 09, 2016, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., on June 10, 2016.*


Helmy A. Makar, P.E., M.S.

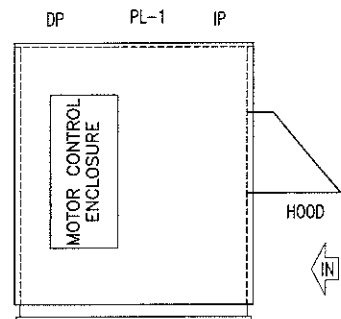
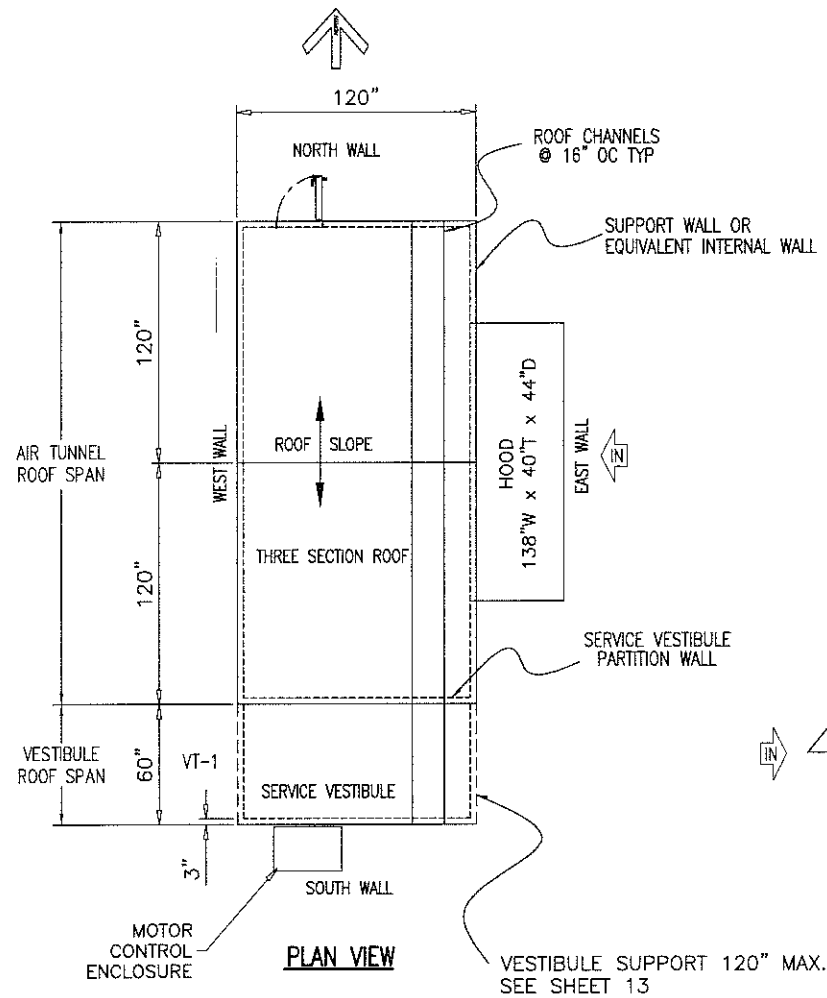
Product Control Section Supervisor

NOA No. 16-0614.07

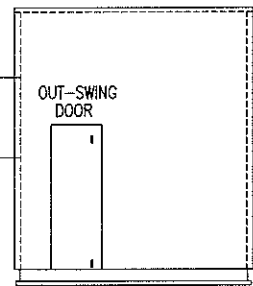
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Approval Date:

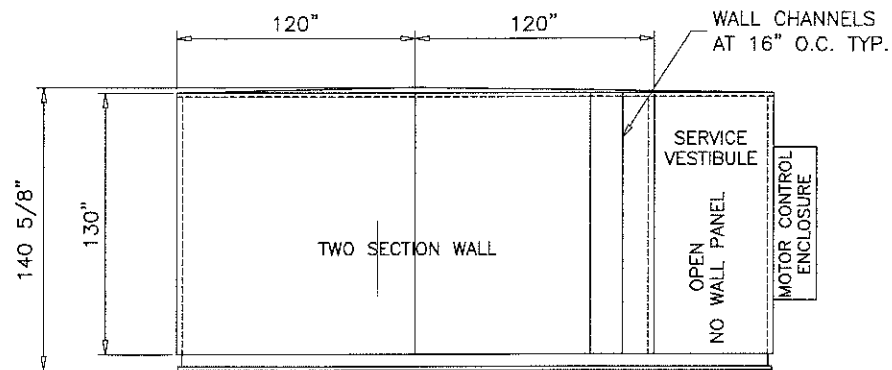
Housing Material
Exterior Walls: 18 GA Steel or 0.08" Thk Alum Min
Exterior Roof: 20 GA Steel Min
Interior Walls & Roof: 22 GA Steel Min



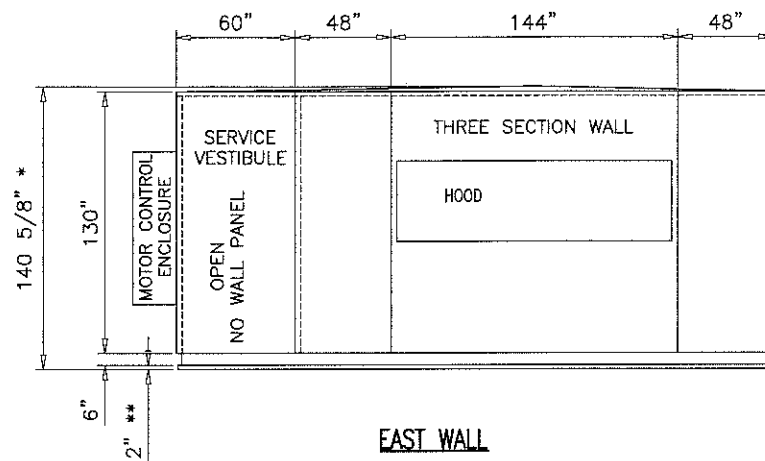
SOUTH WALL



NORTH WALL



WEST WALL



EAST WALL

* NOTE: MAX HEIGHT
TO PEAK OF SLOPED ROOF
** NOTE: 2" CURB ANGLE

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 80.0 PSF

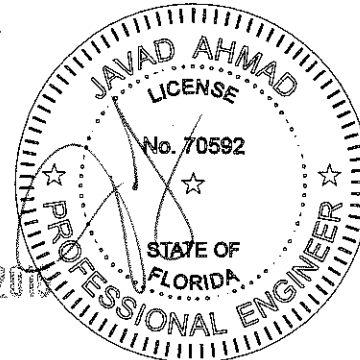
GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) FIFTH EDITION (2014) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36 AND STEEL SHEET SHALL CONFORM TO ASTM DESIGNATION A-653, GALVANIZED WITH A COATING DESIGNATION OF G90. MIN. $F_y = 48,380$ PSI.
3. ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
4. ELECTRICAL AND MECHANICAL DETAILS ARE NOT PART OF THIS APPROVAL.
5. POLYURETHANE SHALL BE RIGID FOAM MIN. DENSITY #2 C.F.
6. MAX. FLAME SPREAD RATING = 0 AS PER ASTM E-84. SMOKE DEVELOPED INDEX = 135. SPONTANEOUS-IGNITION TEMPERATURE = 860°F.
7. ALL STEEL TO BE SHOP PRIMED BEFORE ASSEMBLY.
8. DISSIMILAR MATERIALS IN CONTACT WITH EACH OTHER SHALL BE PROTECTED IN ACCORDANCE WITH S.F.B.C. CHAPTER 30, SECTION 3004.4.
9. MIN. SOIL BEARING CAPACITY = 2500 PSF.
10. A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
11. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.

1. THE AIR HANDLING UNIT ASSEMBLY HAS BEEN TESTED AND ANALYZED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE FOR THE MAXIMUM SIZED PANEL DIMENSIONS AND FRAMING DISTANCE SPACING INDICATED ON THE DRAWINGS.
2. THE DETAILS AND SPECIFICATIONS SHOWN ON ALL SHEETS INDICATED REPRESENT THE PRODUCTS AND MATERIALS TESTED AND PROPOSED FOR IMPACT, CYCLIC, AND UNIFORM STATIC AIR PRESSURE TESTING IN ACCORDANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS 201, TAS 202, AND TAS 203 FOR LARGE MISSILE IMPACT. ADDITIONALLY THE PRODUCT WAS TESTED IN ACCORDANCE WITH ASTM E72 FOR COMPONENT SYSTEM RACKING AND ASTM E8 FOR TENSION TESTING OF THE MATERIAL COMPONENTS.
3. ATTACHMENT TO THE ROOF AND THE ROOF CURB TO PREVENT SLIDING AND OVERTURNING OF THE AIR HANDLING UNIT IS NOT PART OF THE SCOPE OF THIS PRODUCT APPROVAL. THESE ELEMENTS SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT.
4. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY STRUCTURAL INTEGRITY OF THE ROOF/BUILDING STRUCTURE TO SUPPORT ALL LOADS (WIND AND STATIC) SUPERIMPOSED ON THE STRUCTURE BY THE AIR HANDLING UNIT.
5. INTERIOR MOUNTED MECHANICAL EQUIPMENT IS NOT PART OF THIS PRODUCT APPROVAL AND SHALL BE DESIGNED AND INSTALLED BY YORK/JOHNSON CONTROLS IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS. INTERNAL SUPPORT OF THESE INTERIOR COMPONENTS IS ALSO OUTSIDE THE SCOPE OF THIS PRODUCT APPROVAL.
6. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND SHALL NOT VARY UNLESS SPECIFICALLY STATED ON THE DRAWINGS.
7. ALL METAL THICKNESSES FOR PANELS, STRUCTURAL SUPPORT ELEMENTS AND OTHER COMPONENTS SHALL BE THE MINIMUM SPECIFIED GAGES DIMENSIONS INDICATED ON THE DRAWINGS.
8. ALL SHEET STEEL COMPONENTS SHALL BE MINIMUM 44 KSI SHEET STEEL AT THE SPECIFIED THICKNESS THAT CONFORMS TO ASTM A653, WITH G90U GALVANIZED FINISH.

UNIT CONSTRUCTION					
Model: YC-IPF					
Construction: Weather Proof					
Base: 6.0" X 1.92" X 8.2#/ft structural steel channel not painted					
Base insulation: 2.0" Polyurethane Foam					
Exterior Material: Walls: 18 GA G-90 Galv Steel or 0.08" Thk Alum Roof: 20 GA G-90 Galv Steel Finish: Galvanized or Painted Steel					
Wall & Roof Material: C-Channels 16 GA G-90 Galv at 16" Spacing MAX Polyurethane Foam Walls: 3.0" Thk Roof: 2.0" Thk at side & 4.63" Thk at Peak 22 GA Steel Liner/Interior					
Screw Spacing: See Wall and Roof Details					
NOTES					
FOR ACTUAL OVERALL CABINET WIDTH DIMENSIONS ADD:					
- DOOR HANDLES: 3"					
- WATER COIL CONNECTIONS: 5"					
- ROOF OVERHANG: 2"					
- OPENING FLANGES: 1.5"					
- LIGHT SWITCHES, CONVENIENCE OUTLETS: 4"					
ACCESS DOOR LIST					
#	Width	Height	Window / Options	FST	Mount.
①	24	72	None / Std	SS	Vert.
②	24	72	None / Std	SS	Vert.
SECTION LIST					
SECT #	DESCRIPTION				
IP	INLET PLENUM				
PL-1	PLENUM				
DP	DISCHARGE PLENUM				
VT-1	SERVICE VESTIBULE/CORRIDOR				

PRODUCT REVISED
as complying with the Florida
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Acceptance No 16-0614.07
Expiration Date 12/26/2018
By *Healy H. Allen*
Miami Design Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

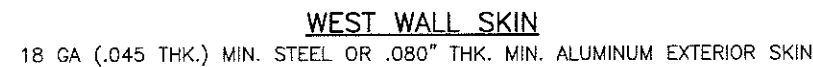
YORK Custom (PACE & Miller-Picking) Air Handler Unit
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YORK, PA. 17403
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revisions:	no	date	description	by
	A	04.16.13	NO CHANGE THIS SHEET	
	B	05.21.13	REV. PER RER COMMENTS	
	C	10.01.13	REV. PER RER COMMENTS	
	D	08.22.14	UPDATED TO 2014 FBC	
	E	06.09.16	SERIES NAME REV.	

date: 12-10-12
scale: 1/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
12-06
sheet 1 of 19

COOLER\12-06YC



2. SKINS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD EXTERIOR SKIN OVERLAP IS 1.50".



22 GA (.028 THK.) MIN. G90 GALV. STEEL SKIN ON THE INTERIOR SIDE

GENERAL NOTES:

1. LINERS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD INTERIOR LINER OVERLAP IS 1.50".

Technical drawing of the West Wall Channels. The drawing shows a series of vertical channels separated by walls. Key dimensions and callouts include:

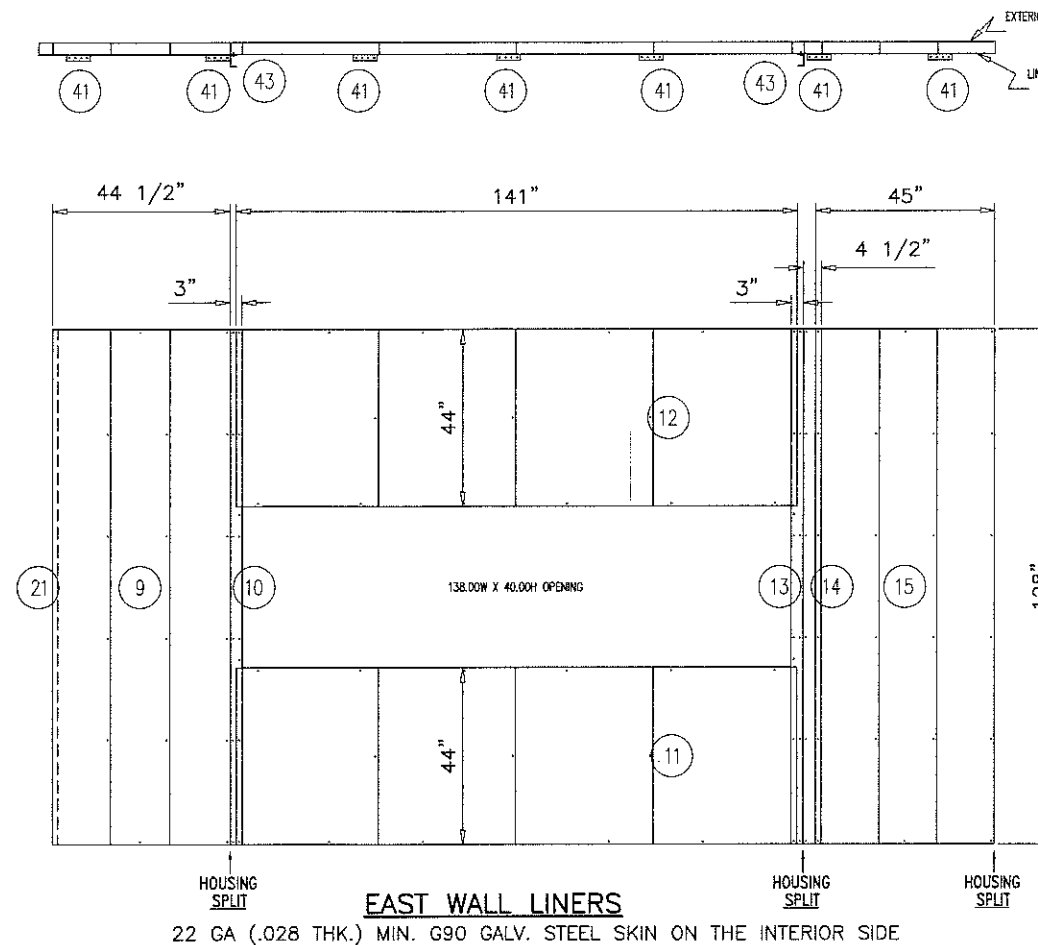
- Overall height: 128"
- Overall width: 16" MAX. TYP.
- Channel width: 1 1/4"
- Callouts: 80, 81, 82, 83, 79, HOUSING SPLIT

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drawing no.
12-06

sheet 2 of 19

11 C



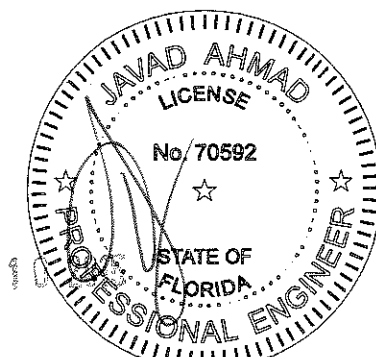
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LEVEL	ITEM	PART NO. * = Stocked	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET / REF.	QTY ON HAND
	1		1	WALL ASSEMBLY	EAST WALL: 240.00 X 128.00		1
	16		1	C.CORNER-CAP3	9.40W X 128.00L X SHEET, GLV, G90, 16GA		1
	22		1	C.CORNER-CAP3	9.40W X 129.25L X SHEET, GLV, G90, 16GA		1
	21		2	C.CORNER-LINER	2.65W X 127.94L X SHEET, GLV, G90, 16GA		2
	3		1	C.EXT-SKIN-O	44.50W X 129.25L X SHEET, GLV, G90, 18GA		1
	2		1	C.EXT-SKIN-O	4.38W X 129.25L X SHEET, GLV, G90, 18GA		1
	4		1	C.EXT-SKIN-O	141.00W X 45.13L X SHEET, GLV, G90, 18GA		1
	5		1	C.EXT-SKIN-O	141.00W X 43.88L X SHEET, GLV, G90, 18GA		1
	6		1	C.EXT-SKIN-O	2.88W X 129.25L X SHEET, GLV, G90, 18GA		1
	7		1	C.EXT-SKIN-O	6.00W X 129.25L X SHEET, GLV, G90, 18GA		1
	8		1	C.EXT-SKIN-O	45.00W X 129.25L X SHEET, GLV, G90, 18GA		1
	43		2	C.F1.50-O	6.64W X 130.64L X SHEET, GLV, G90, 12GA		2
	9		1	C.INT-LINER-O	44.44W X 127.94L X SHEET, GLV, G90, 22GA		1
	10		1	C.INT-LINER-O	2.94W X 127.94L X SHEET, GLV, G90, 22GA		1
	11		1	C.INT-LINER-O	141.00W X 43.94L X SHEET, GLV, G90, 22GA		1
	12		1	C.INT-LINER-O	141.00W X 43.94L X SHEET, GLV, G90, 22GA		1
	13		1	C.INT-LINER-O	2.94W X 127.94L X SHEET, GLV, G90, 22GA		1
	14		1	C.INT-LINER-O	4.44W X 127.94L X SHEET, GLV, G90, 22GA		1
	15		1	C.INT-LINER-O	44.97W X 127.94L X SHEET, GLV, G90, 22GA		1
	25		1	C.SCI.41X13.3-O	5.75W X 44.50L X CHANNEL, RF, 16GA, GLV, 5.67W_FL		1
	26		1	C.SCI.41X13.3-O	5.75W X 44.50L X CHANNEL, RF, 16GA, GLV, 5.67W_FL		1
	27		1	C.SCI.41X13.3-O	5.75W X 144.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	28		1	C.SCI.41X13.3-O	5.75W X 144.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	29		1	C.SCI.41X13.3-O	5.75W X 48.00L X CHANNEL, RF, 16GA, GLV, 5.67W_FL		1
	30		1	C.SCI.41X13.3-O	5.75W X 48.00L X CHANNEL, RF, 16GA, GLV, 5.67W_FL		1
	42		2	C.SCI.50X2.94	5.58W X 127.75L X SHEET, GLV, G90, 12GA		2
	24		6	C.SCI.50X2.94-O	5.74W X 43.75L X CHANNEL, RF, 16GA, GLV, 5.67W_FL		6
	31		1	C.SCI.50X2.94-O	5.74W X 138.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	32		1	C.SCI.50X2.94-O	5.74W X 138.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	33		11	C.SCI.50X2.94-O	5.74W X 127.75L X CHANNEL, RF, 16GA, GLV, 5.67W_F		11
	18		1	SUPPORT ASSY	PERMANENT ROOF SUPPORT ASSY	5.01	1
	19		1	C.ROOF-COLUMN	12.03W X 127.75L X SHEET, GLV, G90, 12GA		1
	20	* 091 20006 001	2	END CAP	CAP, PERM_POST, YC, 12GA, G90	YC86-010	2
	40		1	TIE DOWNS	WALL TO FLOOR TIE DOWN PARTS	5.01	1
	41		30	TIE DOWN PLATES	2.82 X 6.00 X SHEET, GLV, G90, 12GA		30
	42		1	BRACING	DISCHARGE / INLET OPENINGS	5.01	1
	43		1	BRACING SUPPORT	6.64 X 130.64 X SHEET, GLV, G90, 12GA		30

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By Healy A. Mc
Miami Dade Product Control



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COOLER\12-06YC

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COOLER\12-06YC

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COOLER\12-06YIC

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date: 12-10-12

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dr. by: TARIQ

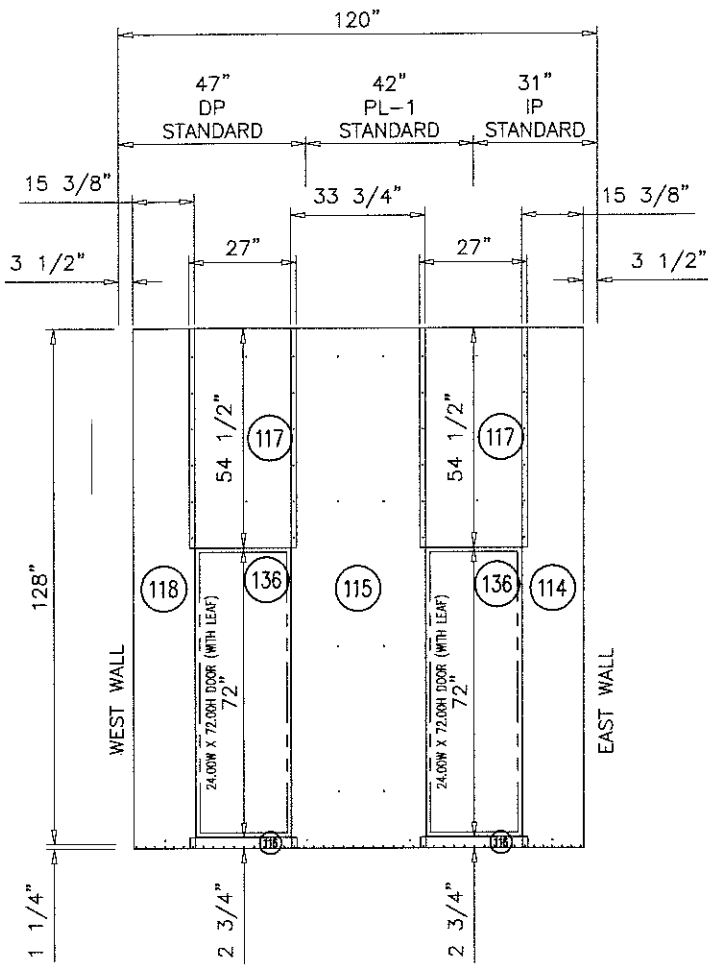
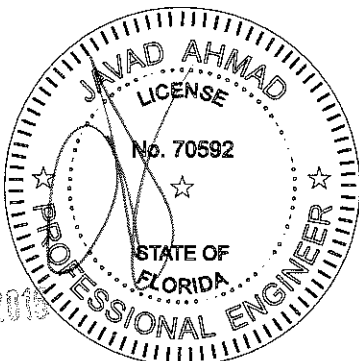
chk. by:

drawing no.

12-06

sheet 4 of 19

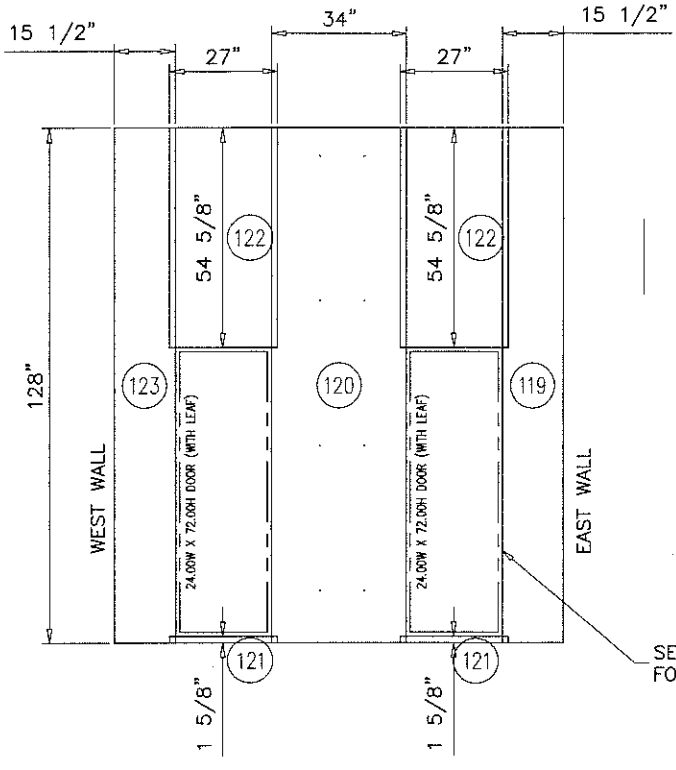
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By *Heba A. M. M.*
Miami Dade Product Control



NORTH WALL SKIN

18 GA (.045 THK.) MIN. STEEL OR .080" THK. MIN. ALUMINUM EXTERIOR SKIN

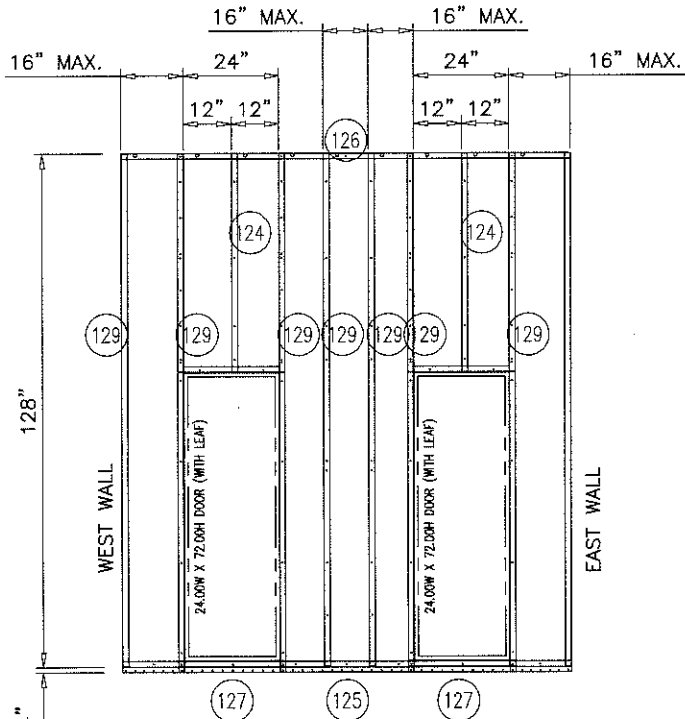
- GENERAL NOTES:
1. SKINS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
 2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
 3. STANDARD EXTERIOR SKIN OVERLAP IS 1.50".



NORTH WALL LINERS

22 GA (.028 THK.) MIN. G90 GALV. STEEL SKIN ON THE INTERIOR SIDE

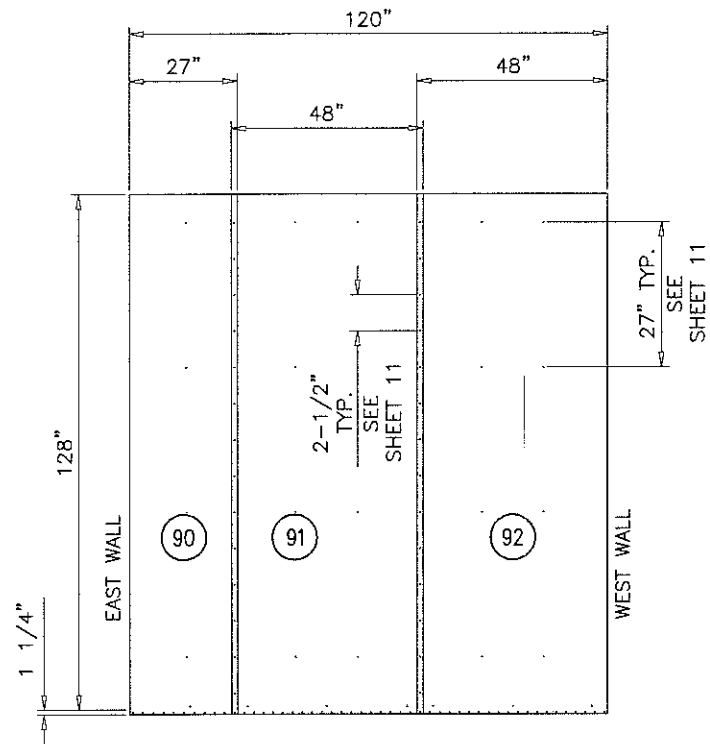
- GENERAL NOTES:
1. LINERS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
 2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
 3. STANDARD INTERIOR LINER OVERLAP IS 1.50".



NORTH WALL CHANNELS

LEVEL	ITEM	* PART NO.	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
	113		1	WALL ASSEMBLY	NORTH WALL: 120.00 X 128.00		1
	114		1	C:EXT-SKIN-O	15.38W X 129.25L X AL,3105H14,.040		1
	115		1	C:EXT-SKIN-O	33.75W X 129.25L X AL,3105H14,.040		1
	116		2	C:EXT-SKIN-O	27.00W X 2.75L X AL,3105H14,.040		2
	117		2	C:EXT-SKIN-O	27.00W X 54.50L X AL,3105H14,.040		2
	118		1	C:EXT-SKIN-O	15.38W X 129.25L X AL,3105H14,.040		1
	119		1	C:INT-LINER-O	15.44W X 127.94L X SHEET,GLV,G90,22GA		1
	120		1	C:INT-LINER-O	33.94W X 127.94L X SHEET,GLV,G90,22GA		1
	121		2	C:INT-LINER-O	27.00W X 1.56L X SHEET,GLV,G90,22GA		2
	122		2	C:INT-LINER-O	27.00W X 54.56L X SHEET,GLV,G90,22GA		2
	123		1	C:INT-LINER-O	15.44W X 127.94L X SHEET,GLV,G90,22GA		1
	136		2	C:RAIN-LIP	2.57W X 25.75L X AL,3105H14,.040		2
	125		1	C:SC1.41X3.13-O	5.75W X 113.00L X CHANNEL,RF,16GA,GLV,5.67W_F		1
	126		1	C:SC1.41X3.13-O	5.75W X 113.00L X CHANNEL,RF,16GA,GLV,5.67W_F		1
	124		2	C:SC1.50X2.94-O	5.74W X 54.38L X CHANNEL,RF,16GA,GLV,5.67W_FL		2
	127		2	C:SC1.50X2.94-O	5.74W X 24.00L X CHANNEL,RF,16GA,GLV,5.67W_FL		2
	128		2	C:SC1.50X2.94-O	5.74W X 24.00L X CHANNEL,RF,16GA,GLV,5.67W_FL		2
	129		8	C:SC1.50X2.94-O	5.74W X 127.75L X CHANNEL,RF,16GA,GLV,5.67W_F		8

JUN 10 2018

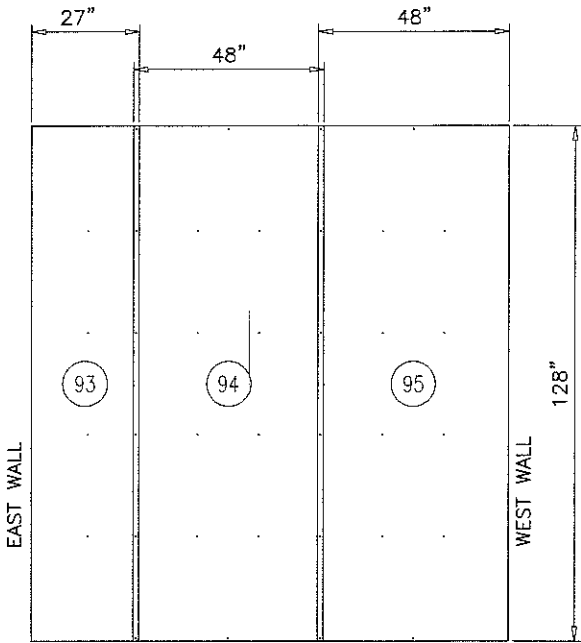


SOUTH WALL SKIN

18 GA (.045 THK.) MIN. STEEL OR .080" THK. MIN. ALUMINUM EXTERIOR SKIN

GENERAL NOTES:

1. SKINS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD EXTERIOR SKIN OVERLAP IS 1.50".

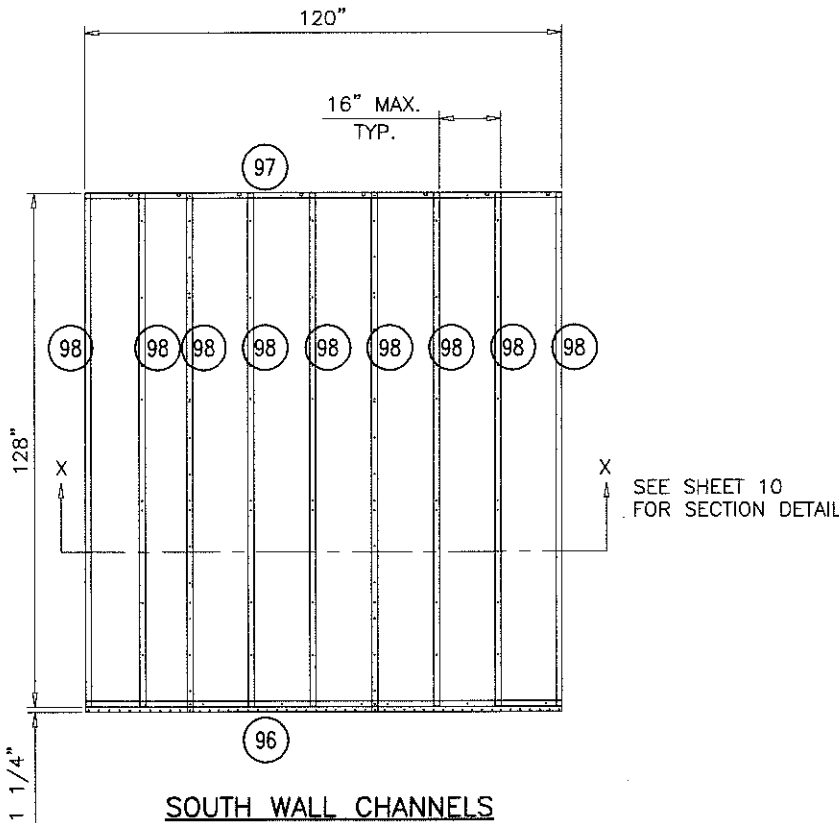


SOUTH WALL LINERS

22 GA (.028 THK.) MIN. G90 GALV. STEEL SKIN ON THE INTERIOR SIDE

GENERAL NOTES:

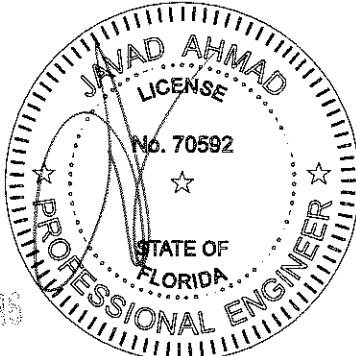
1. LINERS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD INTERIOR LINER OVERLAP IS 1.50".



SOUTH WALL CHANNELS

LEVEL	ITEM	PART NO. * = Stocked	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
	89		1	WALL ASSEMBLY	SOUTH WALL: 120.00 X 128.00		1
	103	391 20002 002	29CF	OCR #574	FOAM MIX, PART A,B, & FREON		29CF
	90		1	C:EXT-SKIN-0	27.00W X 129.25L X SHEET, GLV, G90, 18GA		1
	91		1	C:EXT-SKIN-0	48.00W X 129.25L X SHEET, GLV, G90, 18GA		1
	92		1	C:EXT-SKIN-0	48.00W X 129.25L X SHEET, GLV, G90, 18GA		1
	93		1	C:INT-LINER-0	26.94W X 127.94L X SHEET, GLV, G90, 22GA		1
	94		1	C:INT-LINER-0	47.97W X 127.94L X SHEET, GLV, G90, 22GA		1
	95		1	C:INT-LINER-0	47.97W X 127.94L X SHEET, GLV, G90, 22GA		1
	96		1	C:SCI.41X3.13-0	5.75W X 120.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	97		1	C:SCI.41X3.13-0	5.75W X 120.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	98		9	C:SCI.50X2.94-0	5.74W X 127.75L X CHANNEL, RF, 16GA, GLV, 5.67W_F		9

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0614-07
Expiration Date 12/26/2018
By: *Heba A. M. M.*
Miami Design Product Control



JUN 10 2018

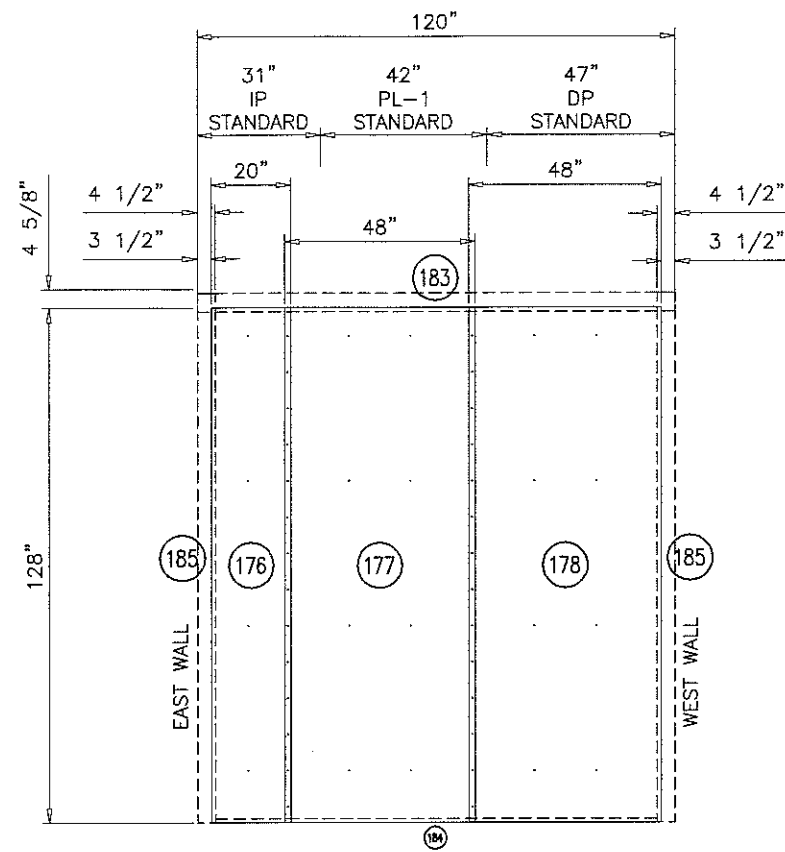
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

YORK Custom (PACE & Miller-Picking) Air Handler Unit
YORK/JOHNSON CONTROLS INC.
1499 EAST PHILADELPHIA STREET
YORK, PA. 17403
TEL. (717) 815-4218 FAX. (717) 815-4198

revisions:
no. date by description
A 04.16.13 NO CHANGE THIS SHEET
B 06.21.13 REV. PER RER COMMENTS
C 10.01.13 REV. PER RER COMMENTS
D 06.22.14 NO CHANGE THIS SHEET
E 06.09.16 SERIES NAME REV.

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dr. by: TARIQ
chk. by:

drawing no.
12-06
sheet 5 of 19

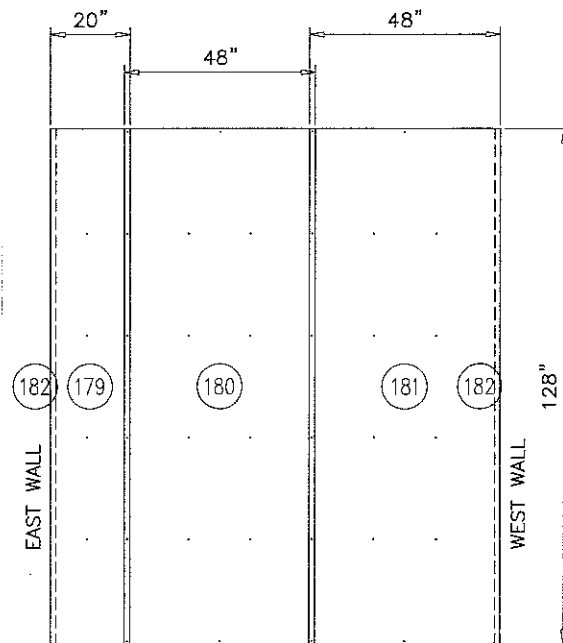


VESTIBULE/CORRIDOR WALL SKIN

18 GA (.045 THK.) MIN. STEEL OR .080" THK. MIN. ALUMINUM EXTERIOR SKIN

GENERAL NOTES:

1. SKINS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD EXTERIOR SKIN OVERLAP IS 1.50".

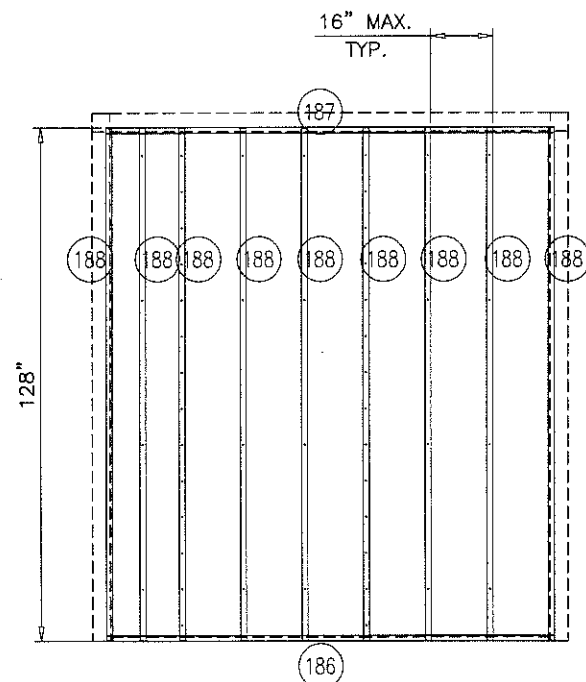


VESTIBULE/CORRIDOR WALL LINERS

22 GA (.028 THK.) MIN. G90 GALV. STEEL SKIN ON THE INTERIOR SIDE

GENERAL NOTES:

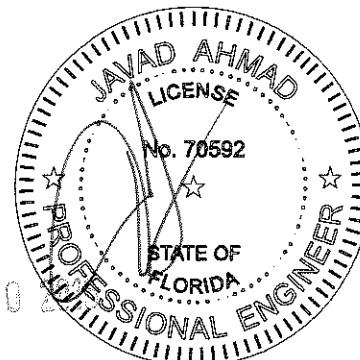
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2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD INTERIOR LINER OVERLAP IS 1.50".



VESTIBULE/CORRIDOR WALL CHANNELS

LEVEL	ITEM	*PART NO. *Stocked	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
	175		1	WALL ASSEMBLY	CORRIDOR WALL: 120.00 X 128.00		1
	184		1	C: ATTACH-ANGLE	1.94W X 111.00L X SHEET, GLV, G90, 20GA		1
	182		2	C: CORNER-LINER	2.65W X 127.94L X SHEET, GLV, G90, 16GA		2
	176		1	C: EXT-SKIN-0	20.00W X 128.00L X SHEET, GLV, G90, 20GA		1
	177		1	C: EXT-SKIN-0	48.00W X 128.00L X SHEET, GLV, G90, 20GA		1
	178		1	C: EXT-SKIN-0	48.00W X 128.00L X SHEET, GLV, G90, 20GA		1
	179		1	C: INT-LINER-0	19.94W X 127.94L X SHEET, GLV, G90, 22GA		1
	180		1	C: INT-LINER-0	47.97W X 127.94L X SHEET, GLV, G90, 22GA		1
	181		1	C: INT-LINER-0	47.97W X 127.94L X SHEET, GLV, G90, 22GA		1
	186		1	C: SC1.41X3.13-0	5.75W X 113.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	187		1	C: SC1.41X3.13-0	5.75W X 113.00L X CHANNEL, RF, 16GA, GLV, 5.67W_F		1
	188		9	C: SC1.50X2.94-0	5.74W X 127.75L X CHANNEL, RF, 16GA, GLV, 5.67W_F		9
	185		2	C: SEAL-ANGLE	5.94W X 131.63L X SHEET, GLV, G90, 20GA		2
	183		1	C: SEAL-ANGLE-2	6.57W X 120.00L X SHEET, GLV, G90, 20GA		1

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 16-0614.07
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By *Heby A. Moh*
Miami Data Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COOLER\12-06YIC

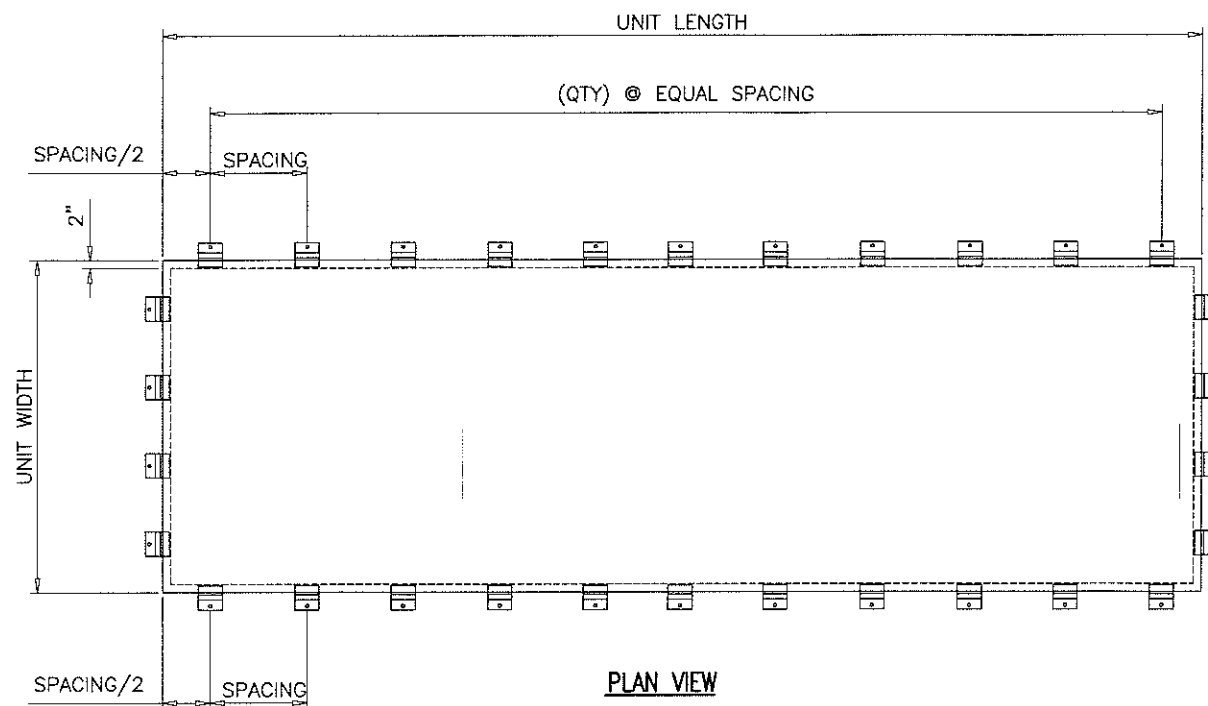
YORK Custom (Pace & Miller-Picking) Air Handler Unit
YORK/JOHNSON CONTROLS INC.
1499 EAST PHILADELPHIA STREET
YORK, PA. 17403
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no	date	by	description
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B	06.21.13	REV.	PER RER COMMENTS
C	10.01.13	REV.	PER RER COMMENTS
D	06.22.14	NO	CHANGE THIS SHEET
E	06.09.16	SERIES	NAME REV.

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chk. by:

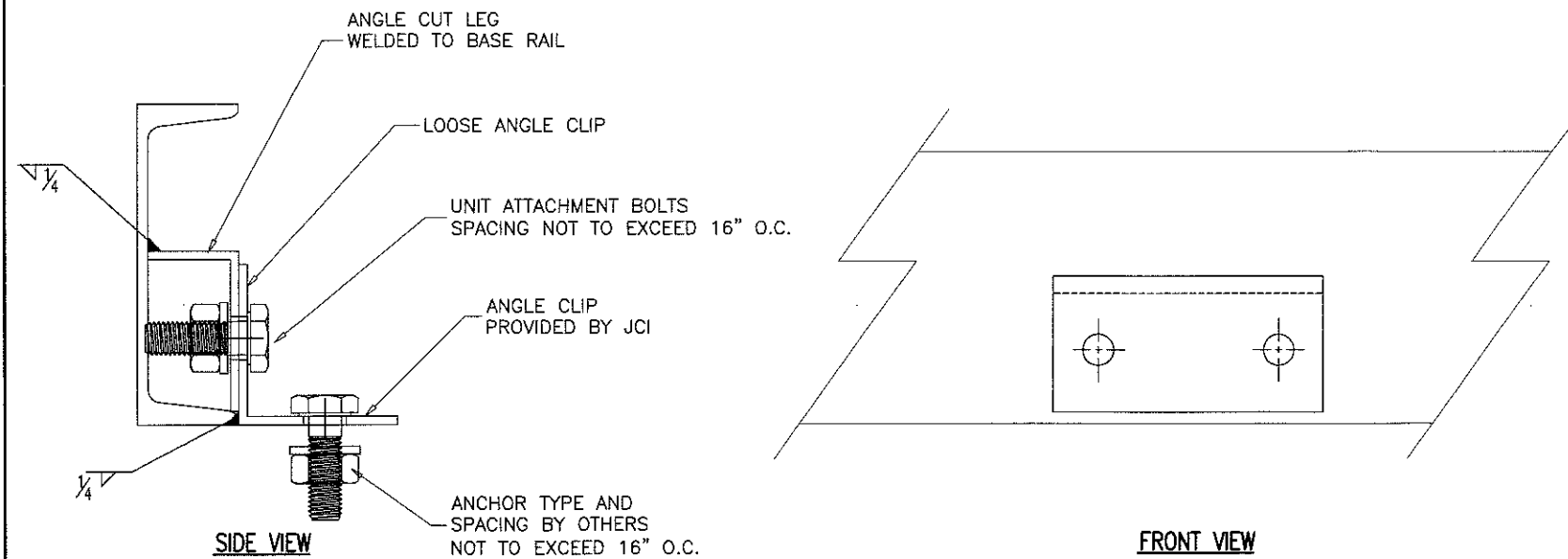
drawing no.
12-06
sheet 6 of 19

PLAN VIEW
RIGHT HAND
AHU
UNIT HAND
LEFT HAND
AIR FLOW



PLAN VIEW
BASE ANCHOR LAYOUT

NOTE:
ANCHOR SPACING WILL VARY BASED ON UNIT LENGTH
BUT SHALL NOT EXCEED 16" O.C.



BASE ANCHOR CLIPS DETAIL

UNIT CONSTRUCTION

Base:
6" X 1.92" X 8.2#/ft structural steel channel
8" X 2.26" X 11.5#/ft structural steel channel
10" X 2.60" X 15.3#/ft structural steel channel
12" X 2.94" X 20.7#/ft structural steel channel
painted w/ 6 to 8 mil DFT Champagne Epoxy.
Base Insulation:
2" Polyurethane Foam
Base Skin:
16 Ga Minimum.

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COOLER 12-06YIC

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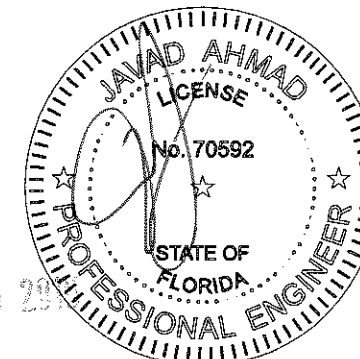
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	C	10.01.13	NO CHANGE THIS SHEET	
	D	08.22.14	NO CHANGE THIS SHEET	
	E	06.09.16	SERIES NAME REV.	

date: 12-10-12
scale: 1/4"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
12-06
sheet 7 of 19

- Notes:
- Unit base frame is bolted C-channel structural steel.
 - Air Handling Unit can vary in size however, spacing of the structural support elements such as the base frame, roof/wall panels, hardware spacing, hardware sizes, shall not exceed the dimensions or material gages indicated.
 - It shall be the responsibility of the permit holder to verify the structural integrity of the existing structure to support the loads superimposed by the Air Handling Unit.
 - Attachment to the concrete/steel structure to prevent sliding and overturning of the air handling unit is not part of the scope of this product approval. These elements shall be reviewed by the corresponding building department.

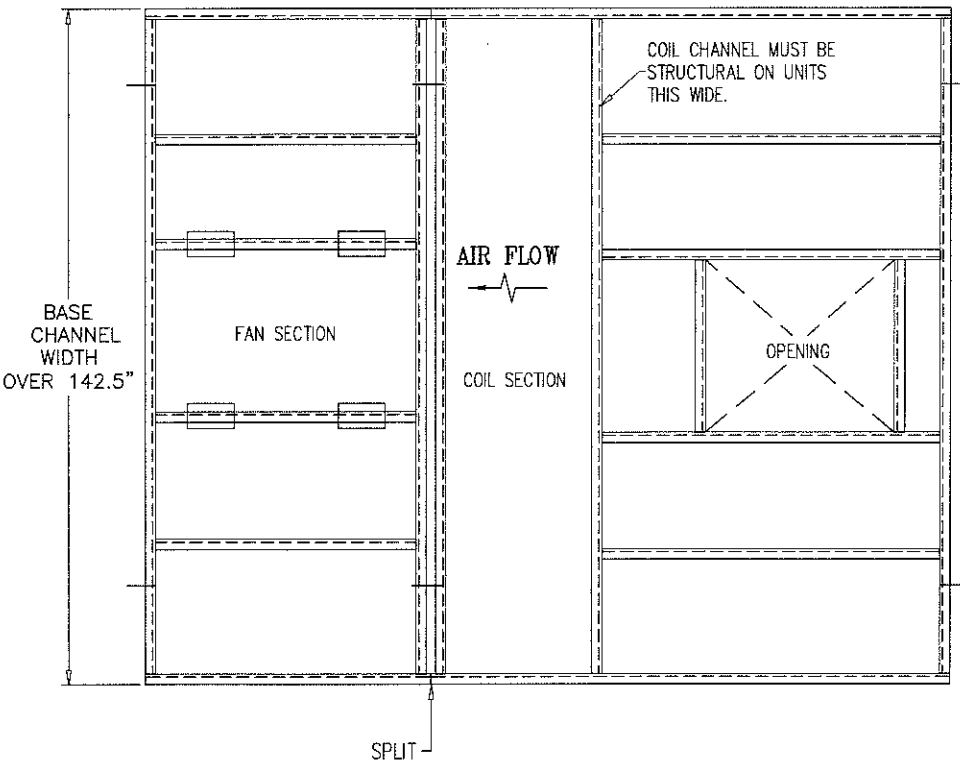
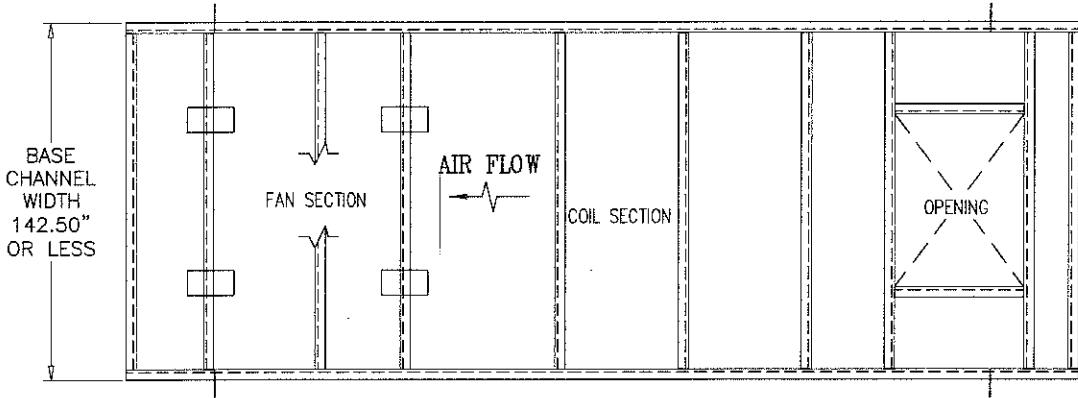
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 16-0614.07
Expiration Date 12/26/2018
By: *Heb A. Ahmad*
Miami Dade Product Control



INTERIOR BASE CHANNELS

-INTERIOR BASE CHANNELS WILL BE FABRICATED FROM 10 GAUGE HR MATERIAL. WHEN THE MAXIMUM SPAN FOR FORMED CHANNEL IS EXCEEDED, STRUCTURAL CHANNEL WILL BE USED.)

-IN GENERAL, THE INTERIOR BASE CHANNELS WILL SPAN THE SHORTEST DIRECTION (SEE EXAMPLES BELOW). SOME EXCEPTIONS TO THIS RULE ARE COIL DRAIN PANS, RECESSED FLOORS AND Evap-Pak SUMP SUPPORTS.

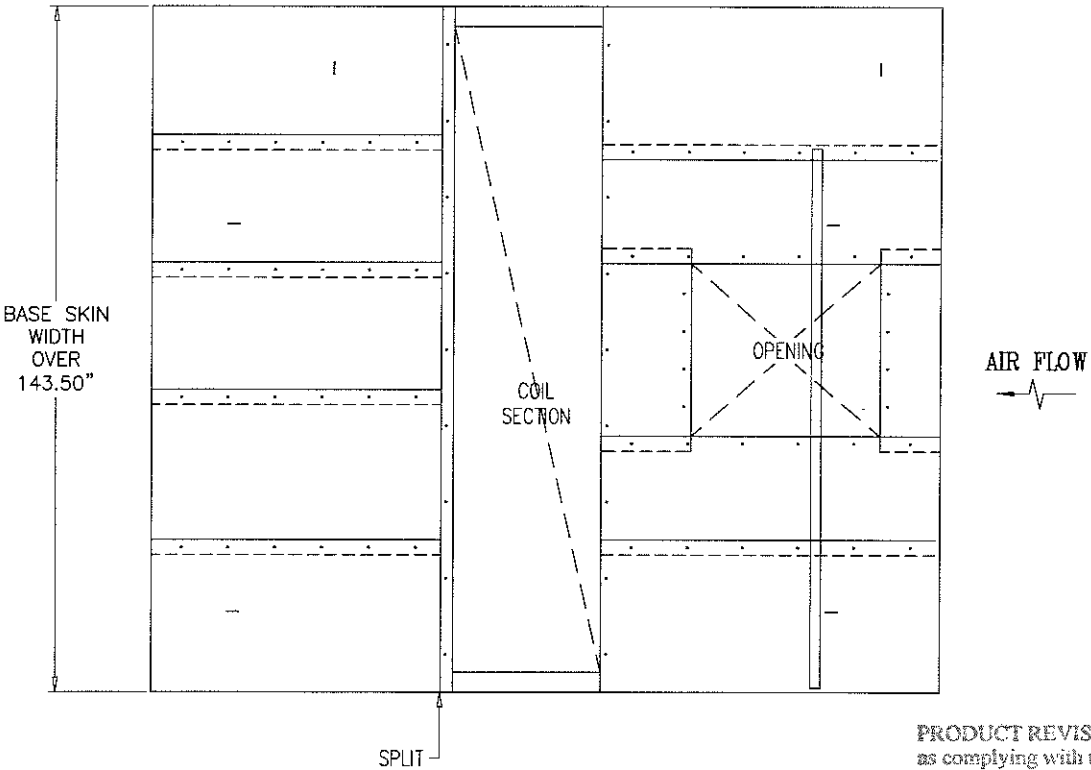
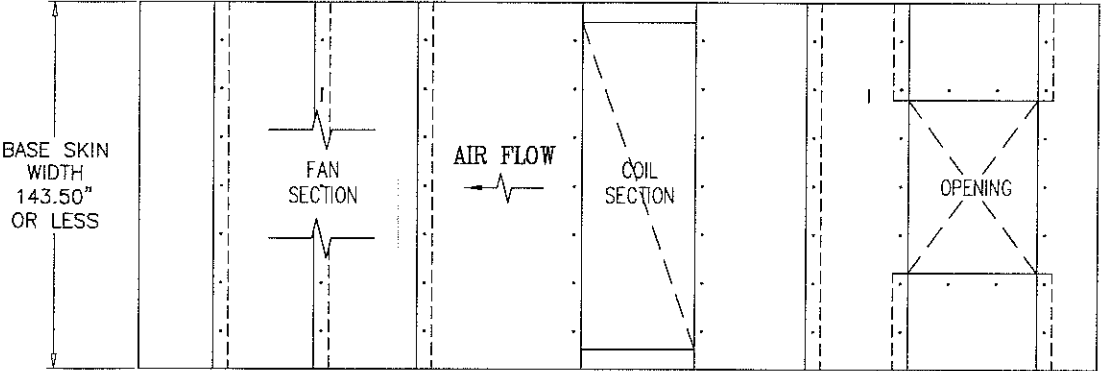


TYPICAL BASE CHANNEL LAYOUT

BASE SKIN LAYOUT

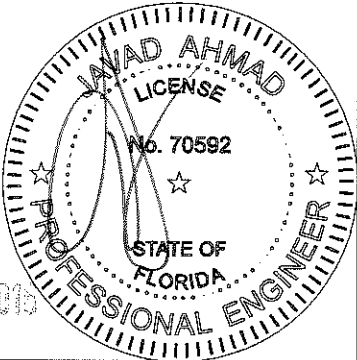
-IN GENERAL THE BASE SKINS WILL BE SIZED WITH THEIR LONGEST DIMENSION PARALLEL TO THE SKIN SUPPORT CHANNEL.

-ALL BASE SKIN SEAMS MUST BE SUPPORTED BY EITHER A FORMED OR STRUCTURAL CHANNEL.



TYPICAL BASE SKIN LAYOUT

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ALL DIMENSIONS SHOWN ARE IN INCHES.

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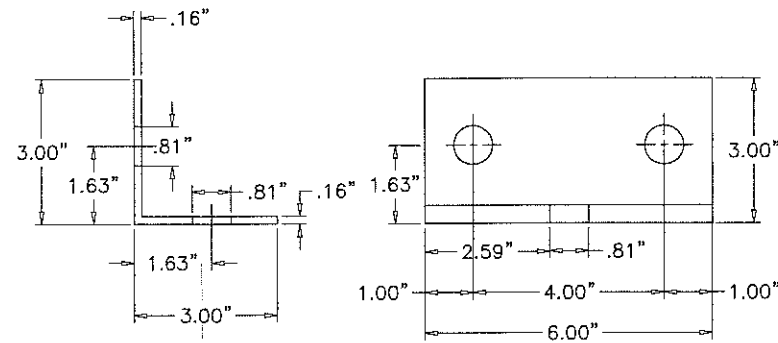
YORK Custom (PACE & Miller-Picking) Air Handler Unit
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1499 EAST PHILADELPHIA STREET
YORK, PA. 17403
TEL. (717) 815-4218 FAX. (717) 815-4198

revisions:		description	by
no	date	description	by
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B	06.21.13	SHEET DELETED	
C	10.01.13	SHEET ADDED	
D	08.22.14	NO CHANGE THIS SHEET	
E	06.09.16	SERIES NAME REV.	

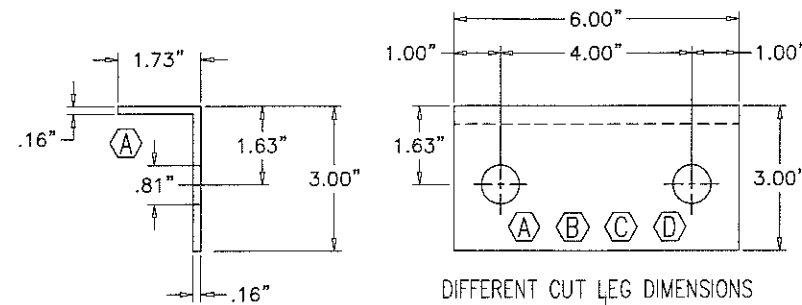
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dr. by:	TARIQ
chk. by:	

drawing no.
12-06
sheet 7.1 of 21

3 X 3 X 8 GA - 6" LENGTH ANGLE CLIP MATERIAL, 8 GA.
ANGLE CLIP



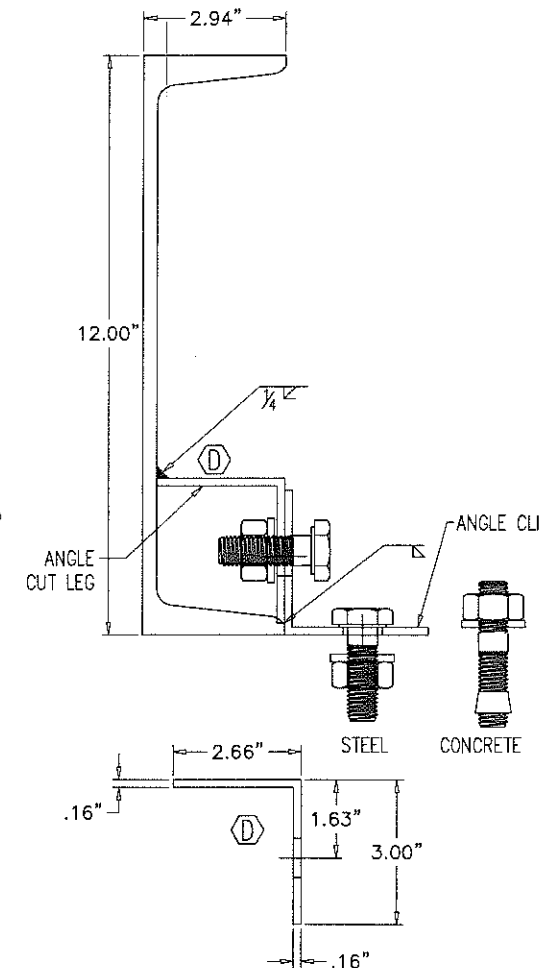
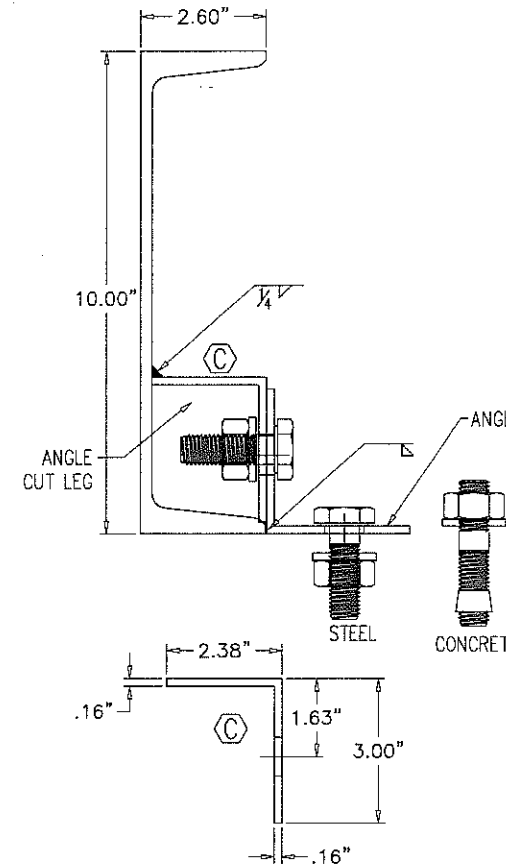
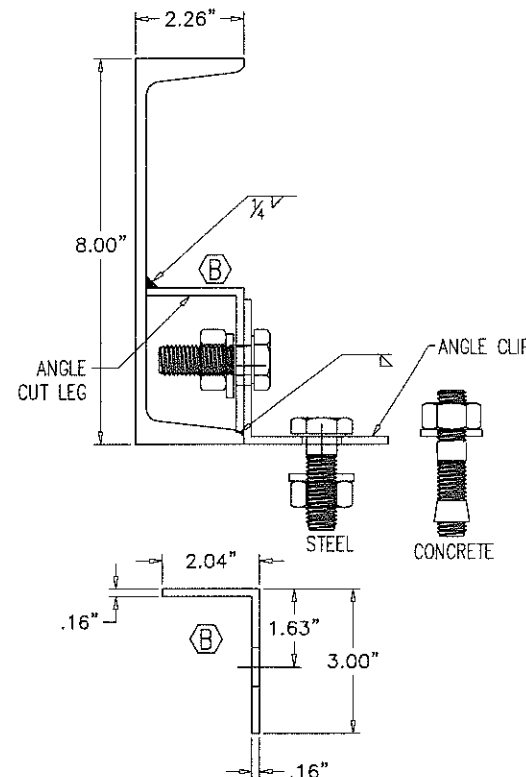
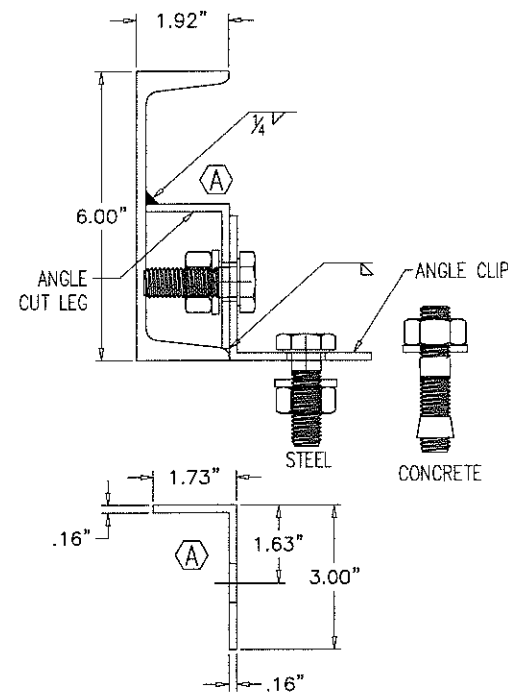
3 X 3 X 8 GA - 6" LENGTH ANGLE CLIP MATERIAL, 8 GA.
CUT LEG (A) (B) (C) (D)



HARDWARE REQUIRED FOR ANCHOR CLIP/EACH

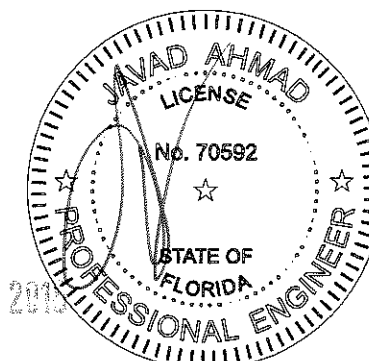
- (2) SCREW HC. GR5. PLTD. .75-10_2 021 30470 090
- (2) NUT HX PLTD GR5 .75-10 021 30408 009
- (2) WASHER LOCK SPLIT PLTD .75 021 30437 012
- (1) SAE GRADE 8 BOLTS PER ANCHORAGE LAYOUT DWG

3 X 3 X 8 GA - 6" LENGTH ANGLE
CUT LEG



CLIPS FOR STEEL/CONCRETE
ANCHOR TYPE AND SPACING BY OTHERS

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By Heba A. Mounir
Miami Dade Product Control



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no.	date	description
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D	08.22.14	NO CHANGE THIS SHEET
E	06.09.16	SERIES NAME REV.

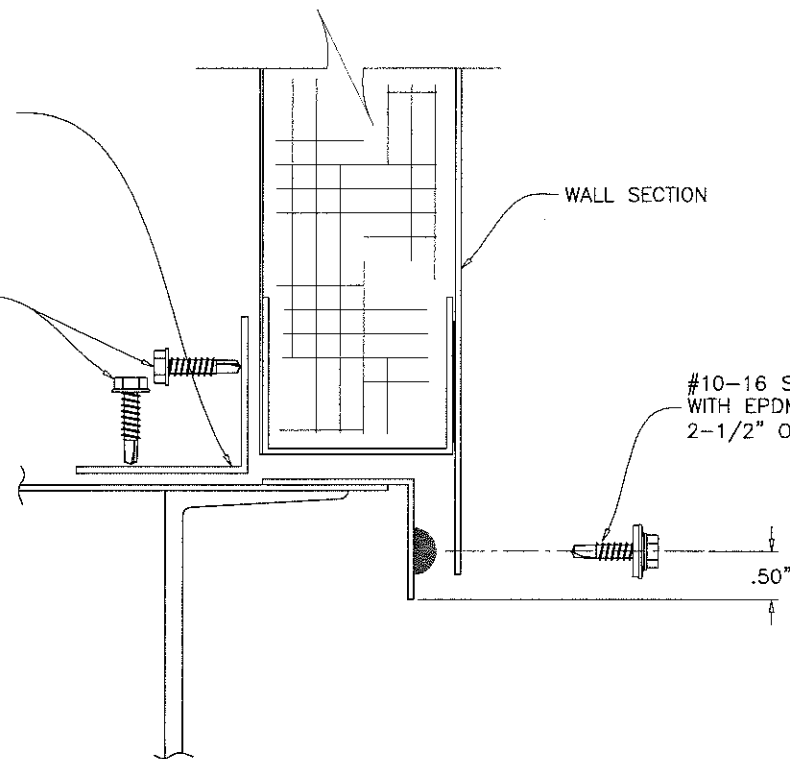
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chk. by:

drawing no.
12-06
sheet 8 of 19

ALL DIMENSIONS SHOWN ARE IN INCHES.

FASTEN INSIDE WALL TO FLOOR USING
1.50" X 1.50" X 6" LG. ANGLES,
ONE AT EACH CORNER AND THEN
ON APPROX 36" CENTERLINES.
ALSO ATTACH ONE AT ALL HOUSING SPLITS.
ALL AIR HANDLER WALLS.

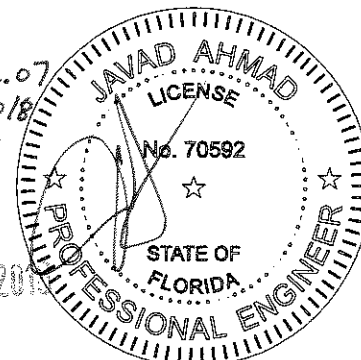
#10-16 SS TEK SCREW
WITH EPDM WASHER SPACED
2-1/2" O.C.



#10-16 SS TEK SCREW
WITH EPDM WASHER SPACED
2-1/2" O.C.

WALLS TO BASE
WALL ATTACHMENT
TO PERIMETER ANGLE

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Miami Data Product Control



JUN 10 2015

ALL DIMENSIONS SHOWN ARE IN INCHES.

afc

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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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YORK Custom (PACE & Miller-Picking) Air Handler Unit

YORK/JOHNSON CONTROLS INC.

1499 EAST PHILADELPHIA STREET

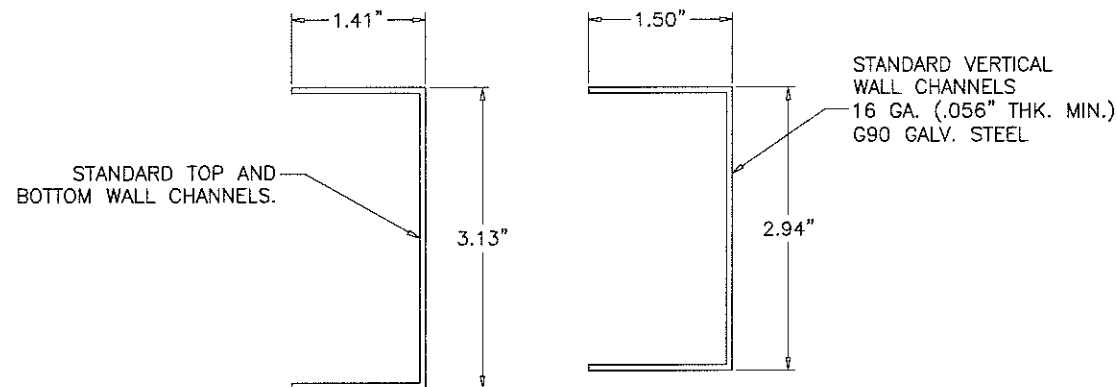
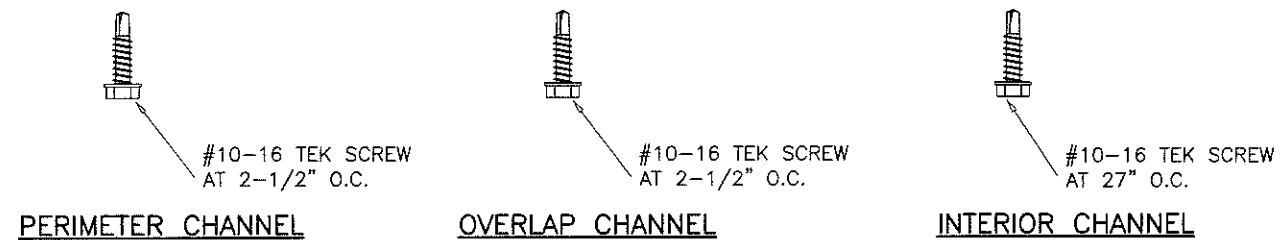
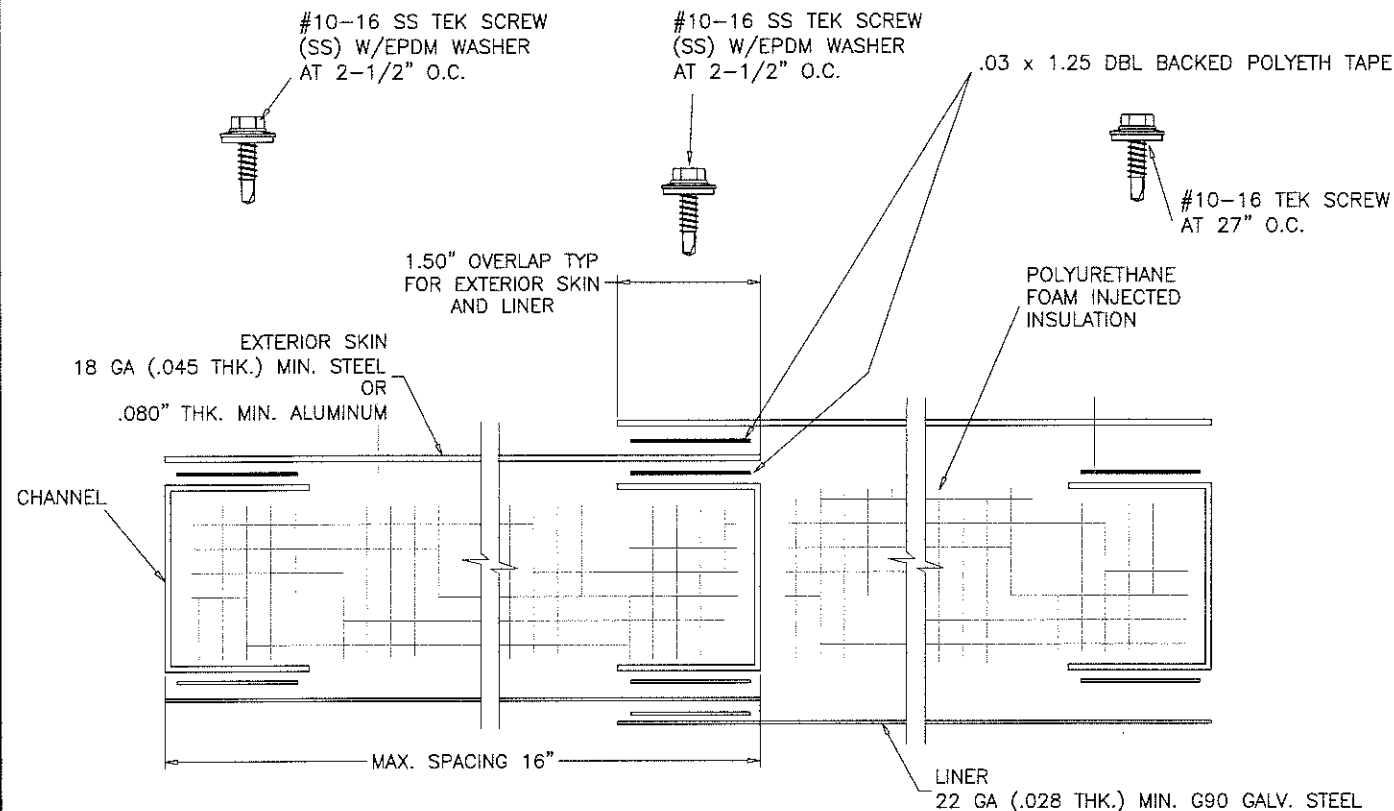
YORK, PA. 17403

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no	date	by	description
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B	06.21.13		REV. PER RER COMMENTS
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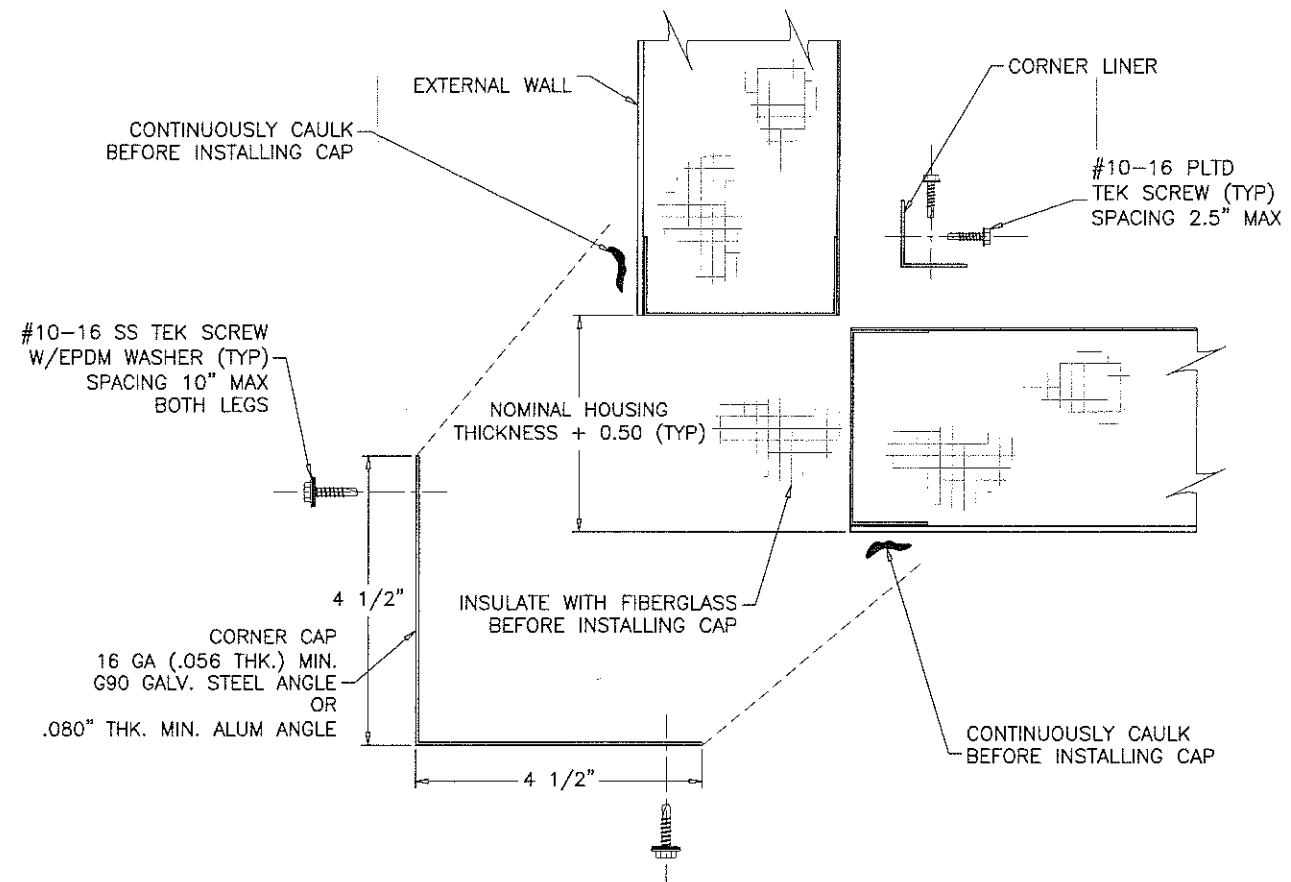
drawing no.
12-06
sheet 9 of 19



- NOTES:
1. FASTENER SPACING SEE SHEET 11 FOR ELEVATION LAYOUT.
 2. DBL BACKED TAPE MUST BE APPLIED TO ALL POSTS AND OVERLAPS ON THE EXTERIOR SKIN SIDE.
 3. NOMINAL HOUSING THICKNESS IS 3.00 INCHES.

EXTERIOR WALL CROSS SECTION

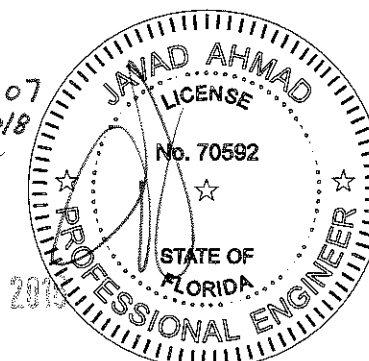
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- NOTES:
1. THIS DETAIL IS FOR ALL CORNERS.

CORNER CAP & LINER INSTALLATION

PRODUCT REVISED
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Building Code
Acceptance No. 16-0614.07
Expiration Date 12/26/2018
By *Heby A. Mohr*
Miami Dade Product Control



JUN 10 2019

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

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YORK, PA. 17403
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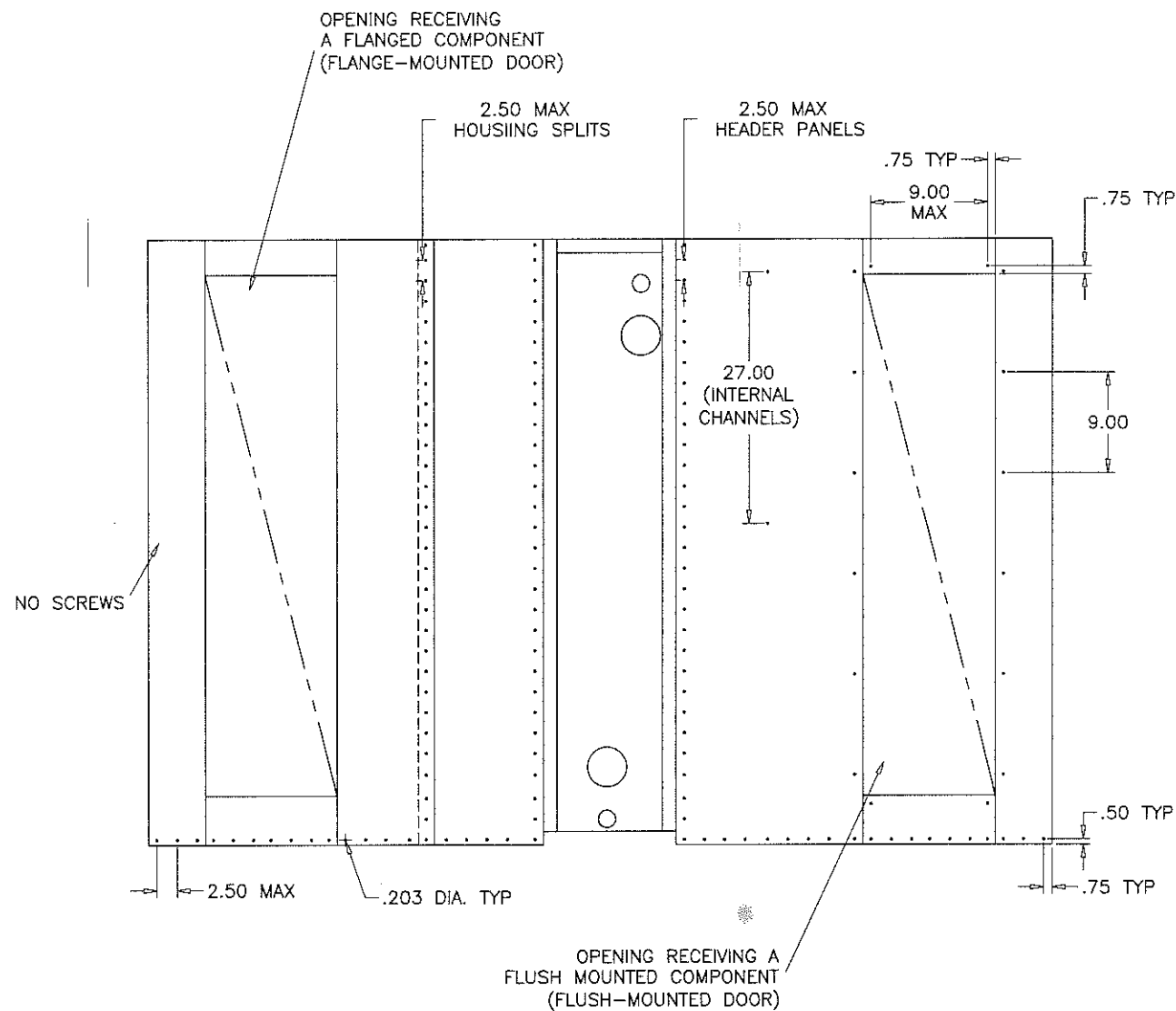
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B	06.21.13		REV. PER RER COMMENTS
C	10.01.13		REV. PER RER COMMENTS
D	06.22.14		NO CHANGE THIS SHEET
E	06.09.16		SERIES NAME REV.

date: 12-10-12
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
12-06

sheet 10 of 19

COOLER\12-06YIC



- NOTES:
- DO NOT INSTALL SCREWS ON EITHER END OF THE WALL ASSEMBLY OR ALONG THE TOP. THESE WILL BE COVERED ONCE THE WALL ASSEMBLY IS INSTALLED ON THE UNIT.
 - HOLD SKINS BACK .125 FROM ALL SIDES OF OPENINGS THAT ARE FRAMED BY CHANNELS ON 4 SIDES.

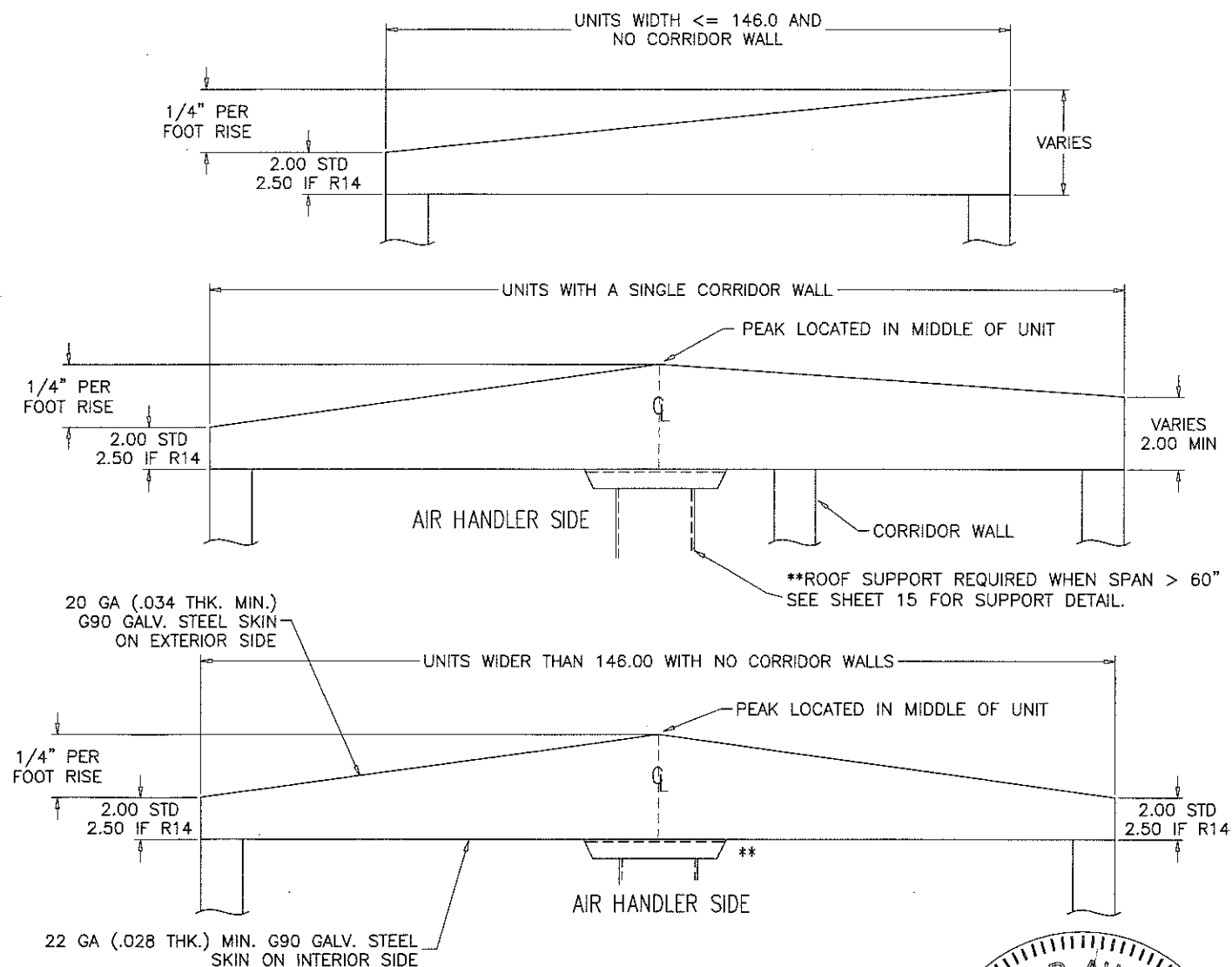
**SCREW SPACING GUIDELINES
FOR TYP. WALL AND ROOF EXTERIOR AND LINER SKINS**

CONSTRUCTION:
THE CONSTRUCTION OF THE OUTDOOR ROOF IS SIMILAR TO THE EXTERIOR WALL CONSTRUCTION WITH THE EXCEPTION THAT THE POST IS A SLOPED CHANNEL AND WILL BE REFERRED TO AS A TRUSS.
REFER TO THE EXTERNAL WALL SECTION FOR GENERAL CONSTRUCTION DETAILS AND MATERIAL STANDARDS.
ACU-SHIELD SHOULD BE APPLIED AS A STANDARD.
USE SAME GAGE EXTERIOR MATERIAL FOR THE ROOF THAT IS ON EXTERIOR OF THE WALL OF THE UNIT.
USE G90 GALV. FOR ALL ROOF EXTERIORS GETTING COATED WITH ACU-SHIELD.

GUIDELINES:
THE OUTDOOR ROOF WILL EITHER HAVE A SINGLE OR DOUBLE SLOPE WITH THE RISE BEING 1/4" PER FOOT (SEE DETAILS BELOW). SLOPE DIRECTION WILL BE INDICATED ON THE SUBMITTAL DRAWING. IF A SINGLE SLOPED ROOF IS REQUIRED, PITCH WILL TYPICALLY BE AWAY FROM THE ACCESS SIDE OF THE UNIT.

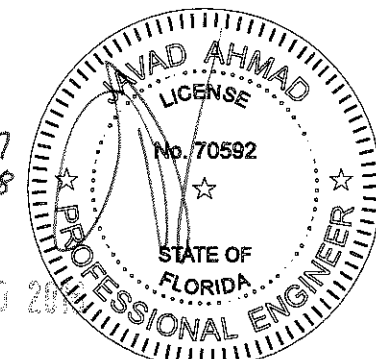
IF AN SQ IS GENERATED REQUIRING R14 MIN INSULATION, DETAILING WILL BE RESPONSIBLE FOR MAKING THE NECESSARY CHANGES TO THE PRODUCTION DRAWINGS TO MEET THIS REQUIREMENT AS SHOWN BELOW.

ROOF SECTIONS ARE ONLY TO BE SPLIT DOWN THE LENGTH OF THE SERVICE CORRIDOR WHEN A SHIPPING SPLIT IS REQUIRED. THE STANDARD DESIGN FOR DOUBLE SLOPED ROOFS WILL BE WITH THE RIDGE FALLING ON THE CENTER LINE OF THE UNIT. EXCEPTION TO STANDARD DESIGN: ALL UNITS WITH A SHIPPING SPLIT AT THE CORRIDOR WALL THAT REQUIRE A DOUBLE SLOPE ROOF MUST HAVE THE ROOF PEAK LOCATED AT THE CORRIDOR WALL. SEE DRAWINGS IN THIS SECTION FOR HOW THIS IS ACCOMPLISHED.



**OUTDOOR ROOF GUIDELINES
ROOF TRUSS SLOPE AND SUPPORT**

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Miami Data Product Control



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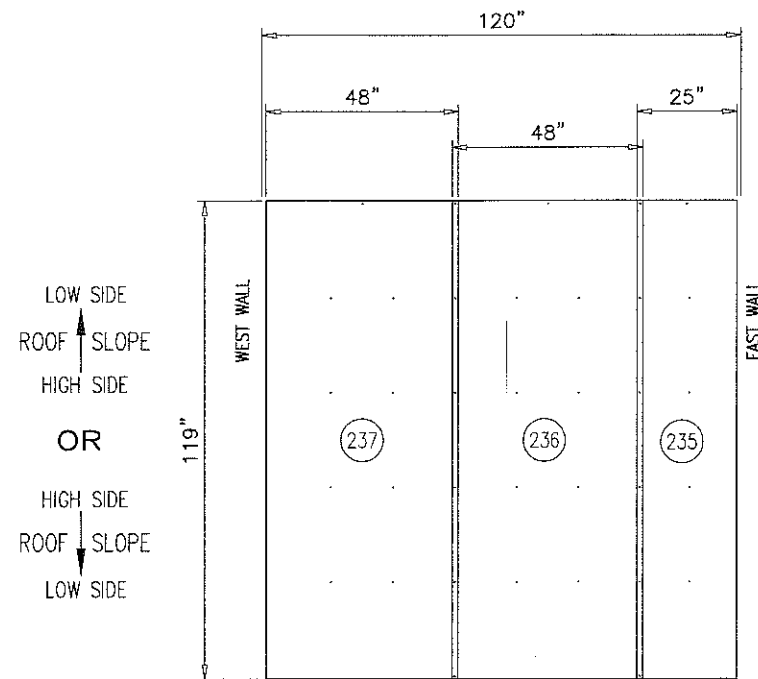
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A	04.16.13		NO CHANGE THIS SHEET
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scale: --
dr. by: TARIQ
chk. by:

drawing no.
12-06
sheet 11 of 19

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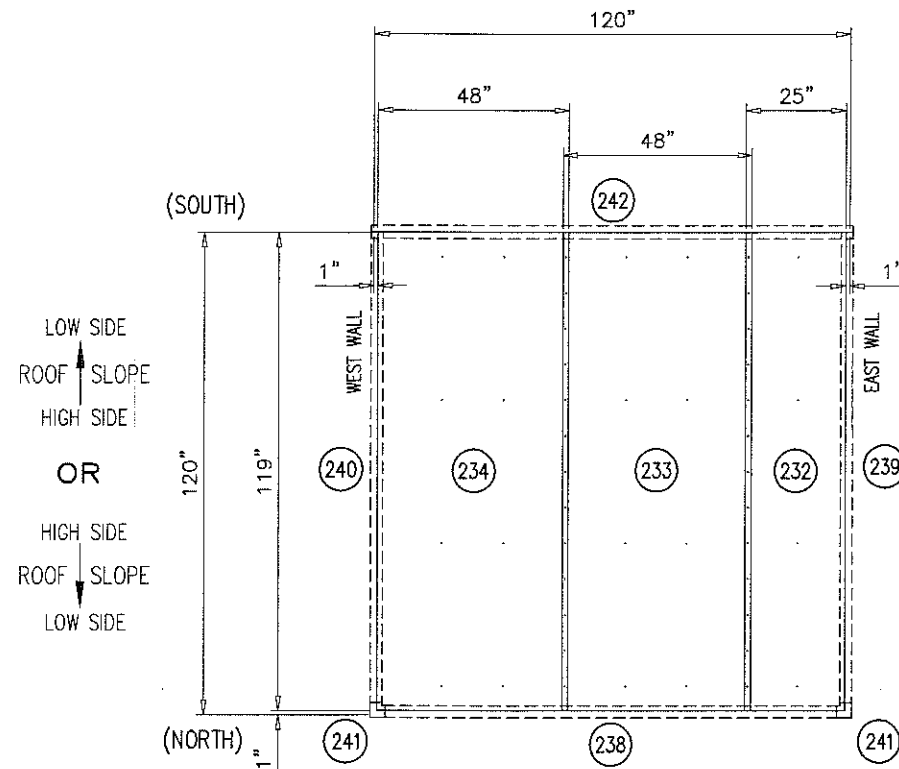


ROOF LINERS (VIEWED FROM LINER SIDE)

↺ AIR FLOW ↻

GENERAL NOTES:

1. LINERS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD INTERIOR LINER OVERLAP IS 1.50".

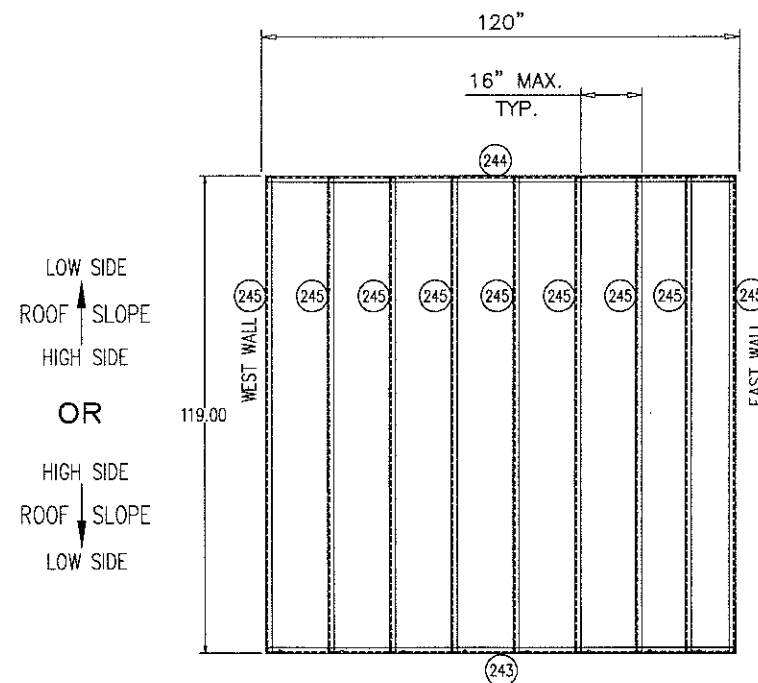


ROOF SKINS (VIEWED FROM LINER SIDE)

↺ AIR FLOW ↻

GENERAL NOTES:

1. SKINS HELD BACK .125 FROM ALL OPENINGS FRAMED BY 4 CHANNELS.
2. HEADER/FOOTER PIECES AT OPENINGS PLACED UNDER FULL LENGTH PIECES.
3. STANDARD EXTERIOR SKIN OVERLAP IS 1.50".

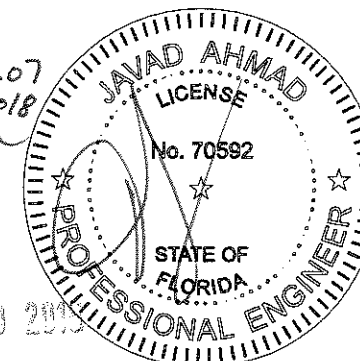


ROOF CHANNELS (VIEWED FROM LINER SIDE)

↺ AIR FLOW ↻

LEVEL	ITEM	* PART NO. * - Stocked	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
	231		1	ROOF ASSEMBLY	ROOF ASSEMBLY: 120.00 X 120.00	4.03	1
	252	391 20002 002	40CF	-10% OFFAL -	CCR MIX, PART A,B, & FREON		40CF
	242		1	C: ANGLED-COVER	3.25W X 121.50L X SHEET, GLV, G90, 20GA		1
	232		1	C: EXT-SKIN-O	25.00W X 119.00L X SHEET, GLV, G90, 20GA		1
	233		1	C: EXT-SKIN-O	48.00W X 119.00L X SHEET, GLV, G90, 20GA		1
	234		1	C: EXT-SKIN-O	48.00W X 119.00L X SHEET, GLV, G90, 20GA		1
	240		1	C: HL3.75X6.25	10.70W X 117.00L X SHEET, GLV, G90, 16GA		1
	235		1	C: INT-LINER-O	24.94W X 118.94L X SHEET, GLV, G90, 22GA		1
	236		1	C: INT-LINER-O	47.97W X 118.94L X SHEET, GLV, G90, 22GA		1
	237		1	C: INT-LINER-O	47.97W X 118.94L X SHEET, GLV, G90, 22GA		1
	239		1	C: LH6.25X3.75	10.70W X 117.00L X SHEET, GLV, G90, 18GA		1
	238		1	C: ROOF-CAP	8.20W X 113.94L X SHEET, GLV, G90, 16GA		1
	241		2	C: ROOF-CNR-CAP	9.90W X 8.33L X SHEET, GLV, G90, 16GA		2
	245		9	C: RT5.69X3.19	8.49W X 118.75L X SHEET, GLV, G90, 16GA		9
	243		1	C: SC1.50X3.38-O	6.18W X 118.00L X SHEET, GLV, G90, 16GA		1
	244		1	C: SC1.50X5.88-O	8.68W X 118.00L X SHEET, GLV, G90, 16GA		1
	246	013 03317 050	9.90Z	CAULK	CAULK, AL, GRAY, SIKAFLEX, 221		9.90Z
	249	013 01412 010	0.67GL	COATING	COATING, ACU-SHIELD, WHITE		0.67GL
	250	* 021 30531 011	222	SCREW	SCREW, TEK, 410SS, EPDM, 10-16, 75		222
	251	* 021 30530 001	52	SCREW	SCREW, TEK, PLTD, 10-16, 75		52
	253	* 091 20014 001	12	SUPER ANGLE	ANGLE, WALL, TO, ROOF, GLV	YC86-033	12
	247	028 14900 010	2677IN	TAPE	TAPE, POLYETH, DBL, 03W, 1.25THK		2677IN
	248	028 07417 010	243IN	TAPE	TAPE, BUTYL, 1.25W, 13THK		243IN

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COOLER 12-06YIC

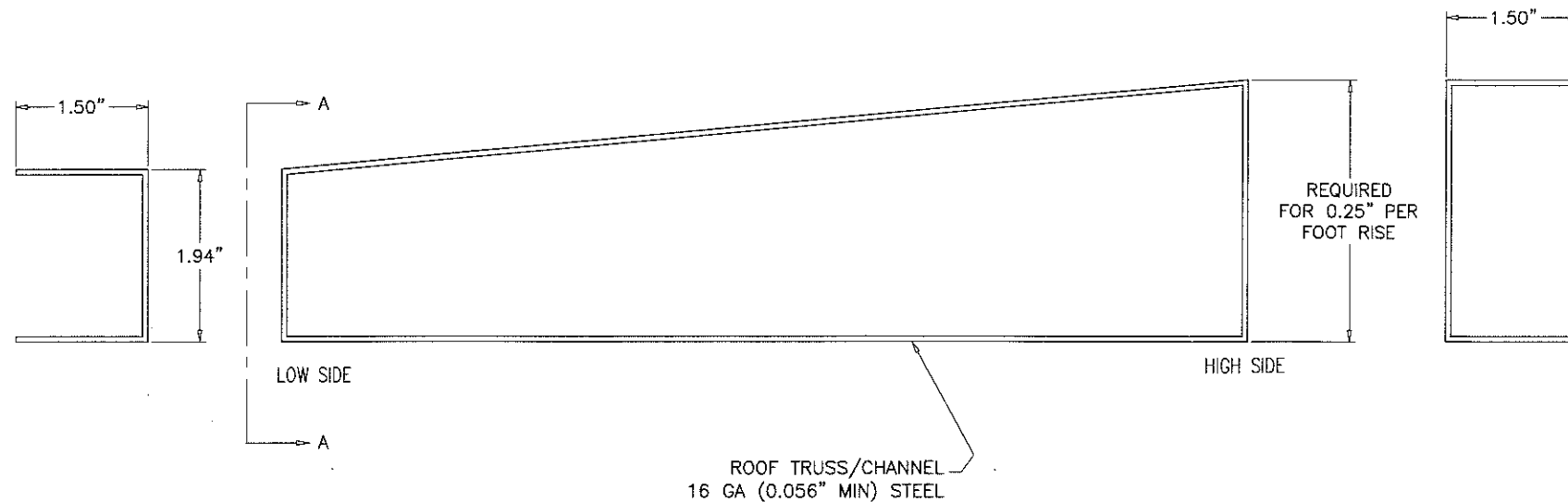
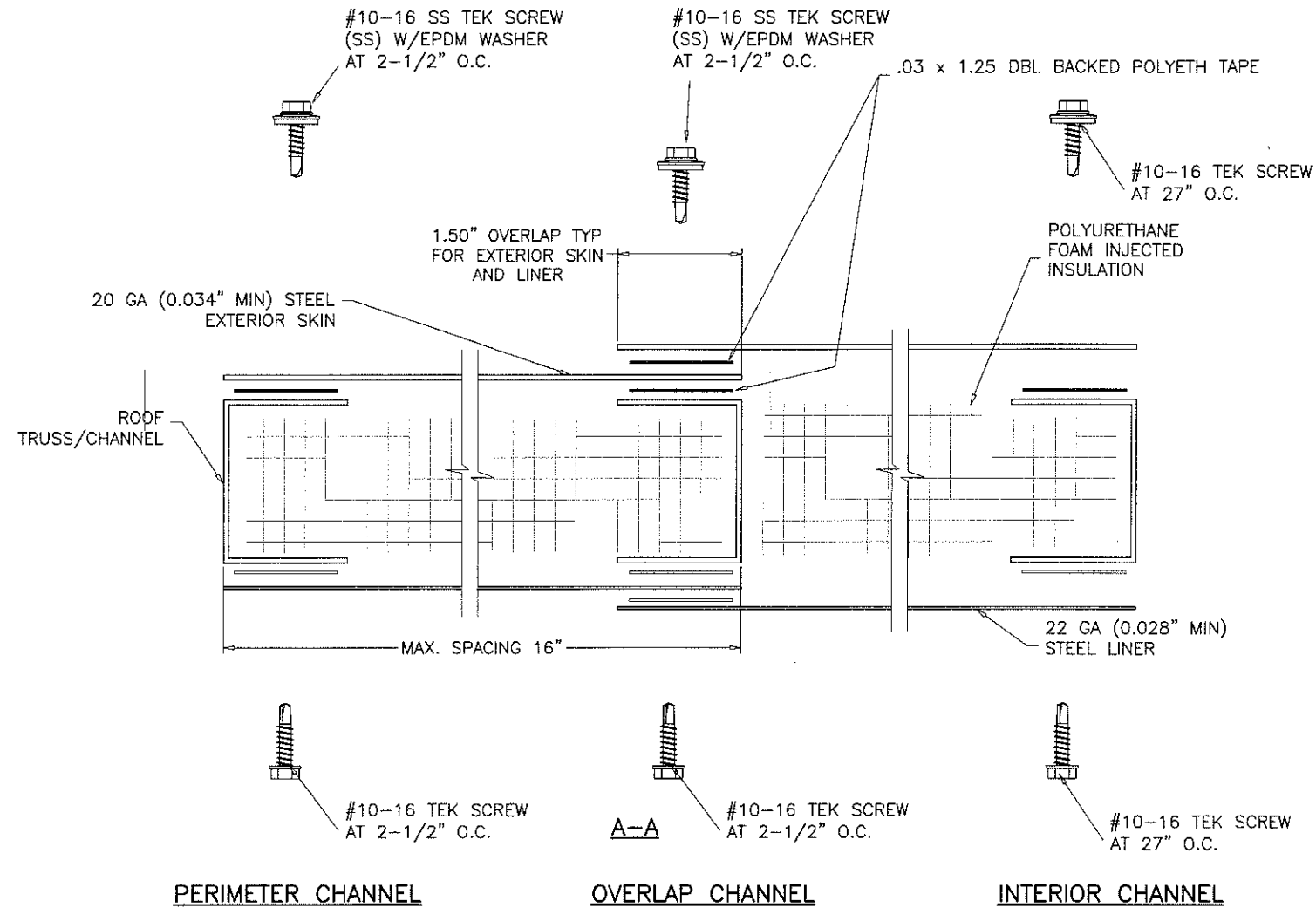
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YORK, PA. 17403
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revisions:	no	date	by	description

date: 12-10-12	scale: -	dr. by: TARIQ	chk. by:
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12-06

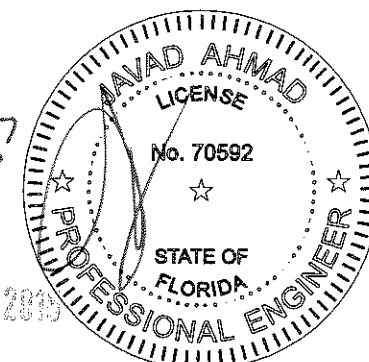
sheet 11.1 of 19



- NOTES:
1. FASTENER SPACING FOR ROOF AND WALLS ARE THE SAME.
 2. DBL BACKED TAPE MUST BE APPLIED TO ALL POSTS AND OVERLAPS ON THE EXTERIOR SKIN SIDE.
 3. NOMINAL ROOF THICKNESS IS 2.00 INCHES AT SIDES WITH 1/4\" PER FOOT SLOPE TO ROOF PEAK

**ROOF
CROSS SECTION**

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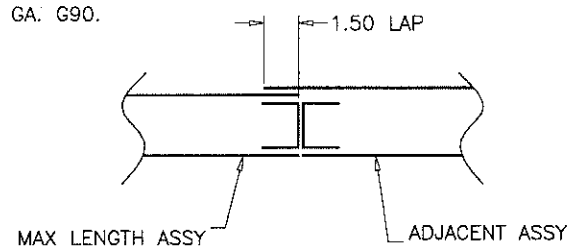
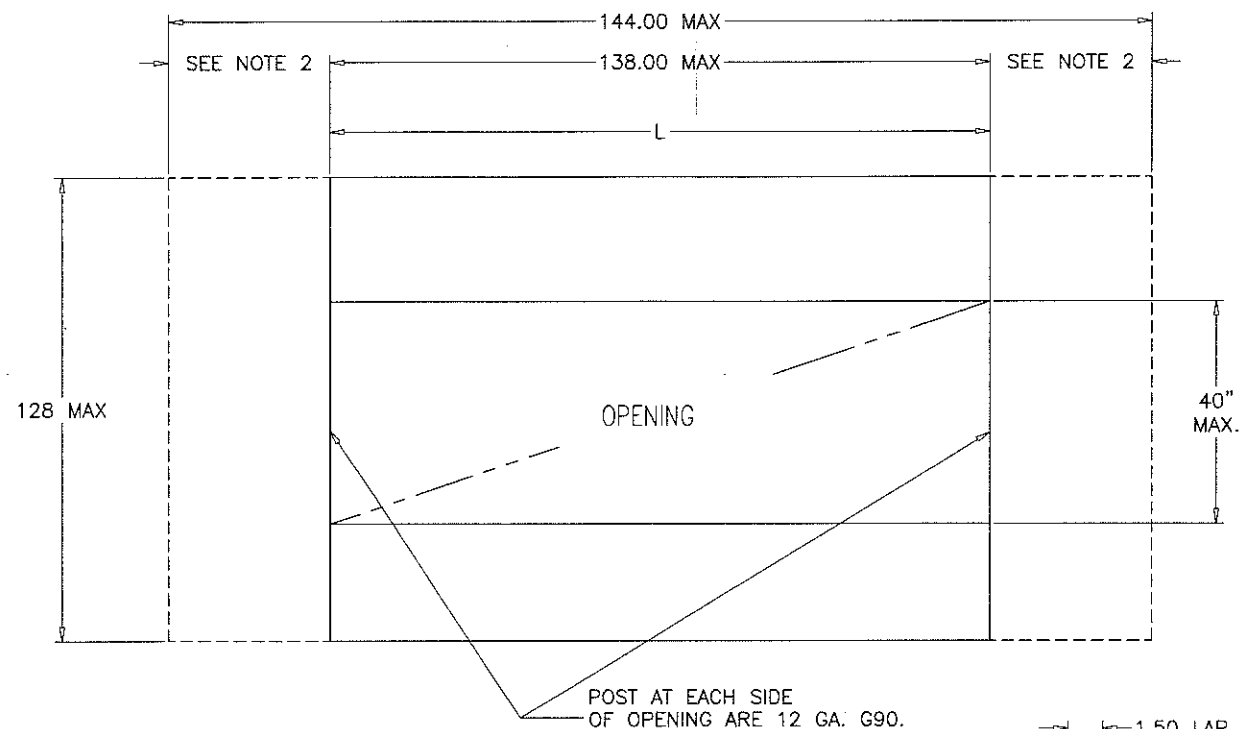
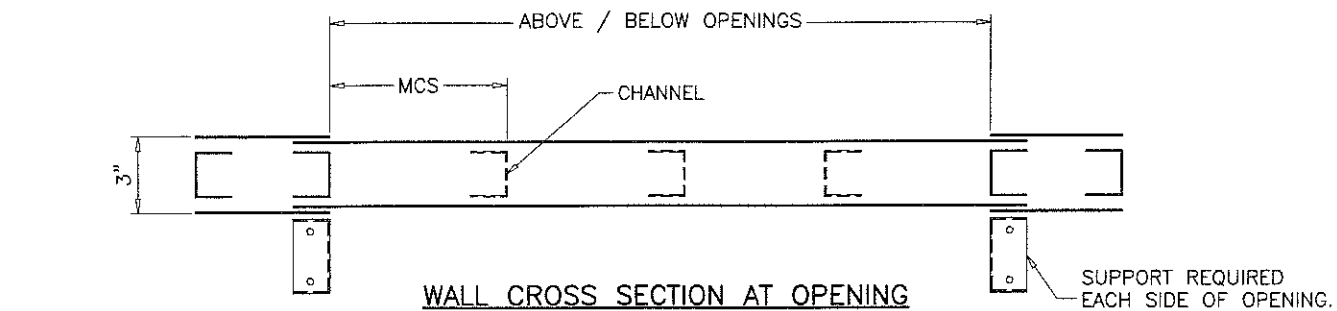
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		E	06.09.16		SERIES NAME REV.

date:	12-10-12
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dr. by:	TARIQ
chk. by:	

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12-06

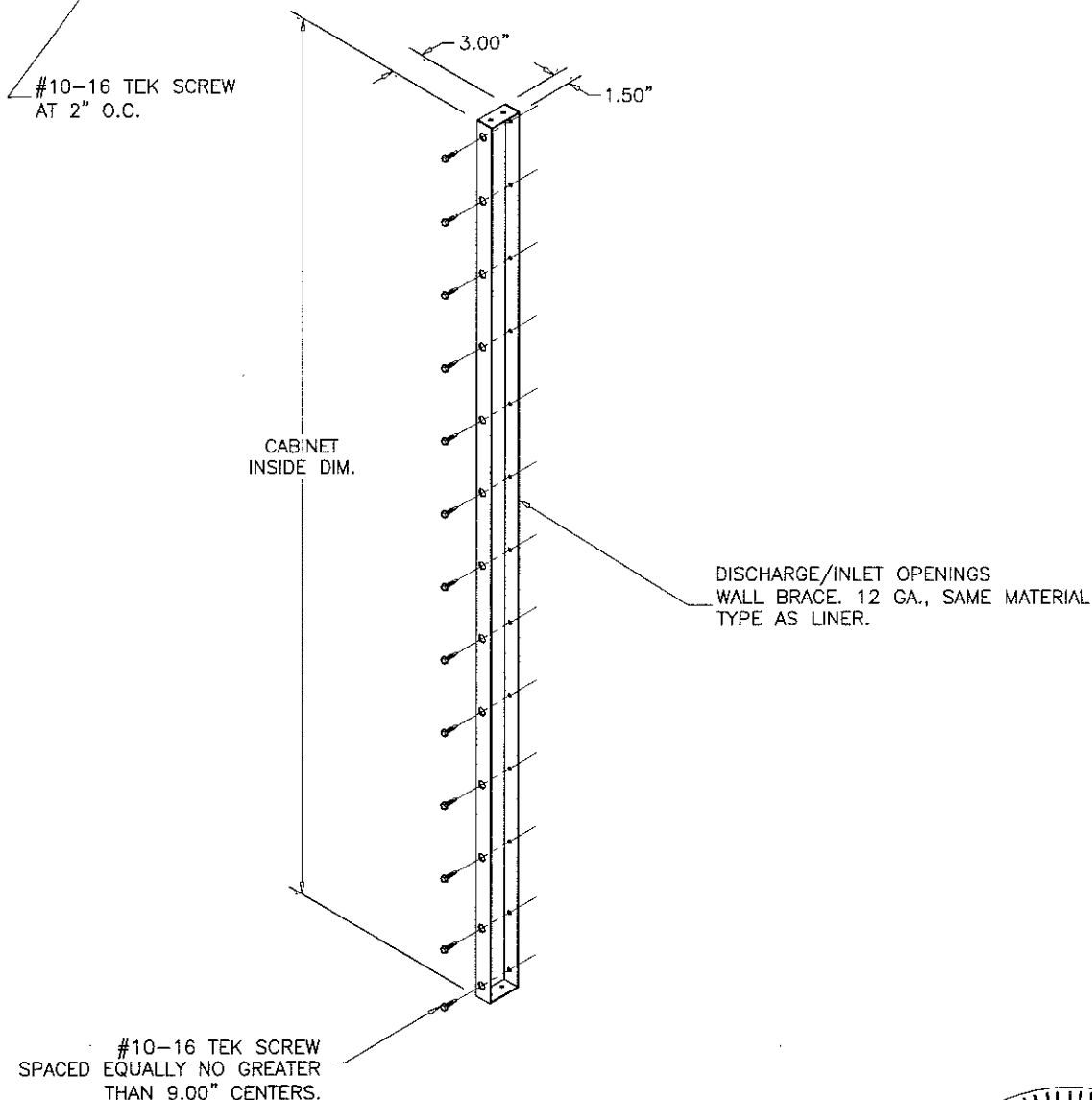
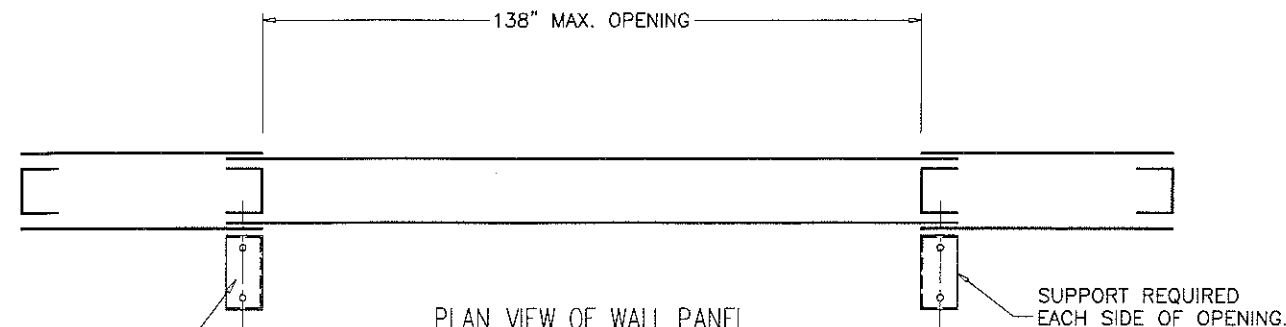
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COOLER 12-06YIC



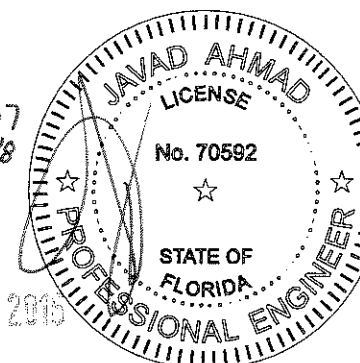
- NOTES:
1. GUIDELINES APPLY TO 3.00 MIN. WALL DEPTH. GUIDELINES ALSO APPLY TO 18 GA. STEEL AND ALUMINUM(.080 MIN.) EXTERIOR SKINS.
 2. MAXIMUM CHANNEL SPACING (MCS) IS 16".
 3. ADD AN 1.50 TAB ON WALL ASSY'S EXCEEDING THE MAX ASSY LENGTH.
 4. CONSULT ENGINEERING FOR ANY SITUATION NOT COVERED.

GUIDELINES FOR MAX. WALL ASSEMBLY AND OPENING SIZING



GUIDELINES FOR BRACING WALL ASSY AND OPENING SIZING DISCHARGE/INLET OPENINGS

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 By *Heba A. M. M.*
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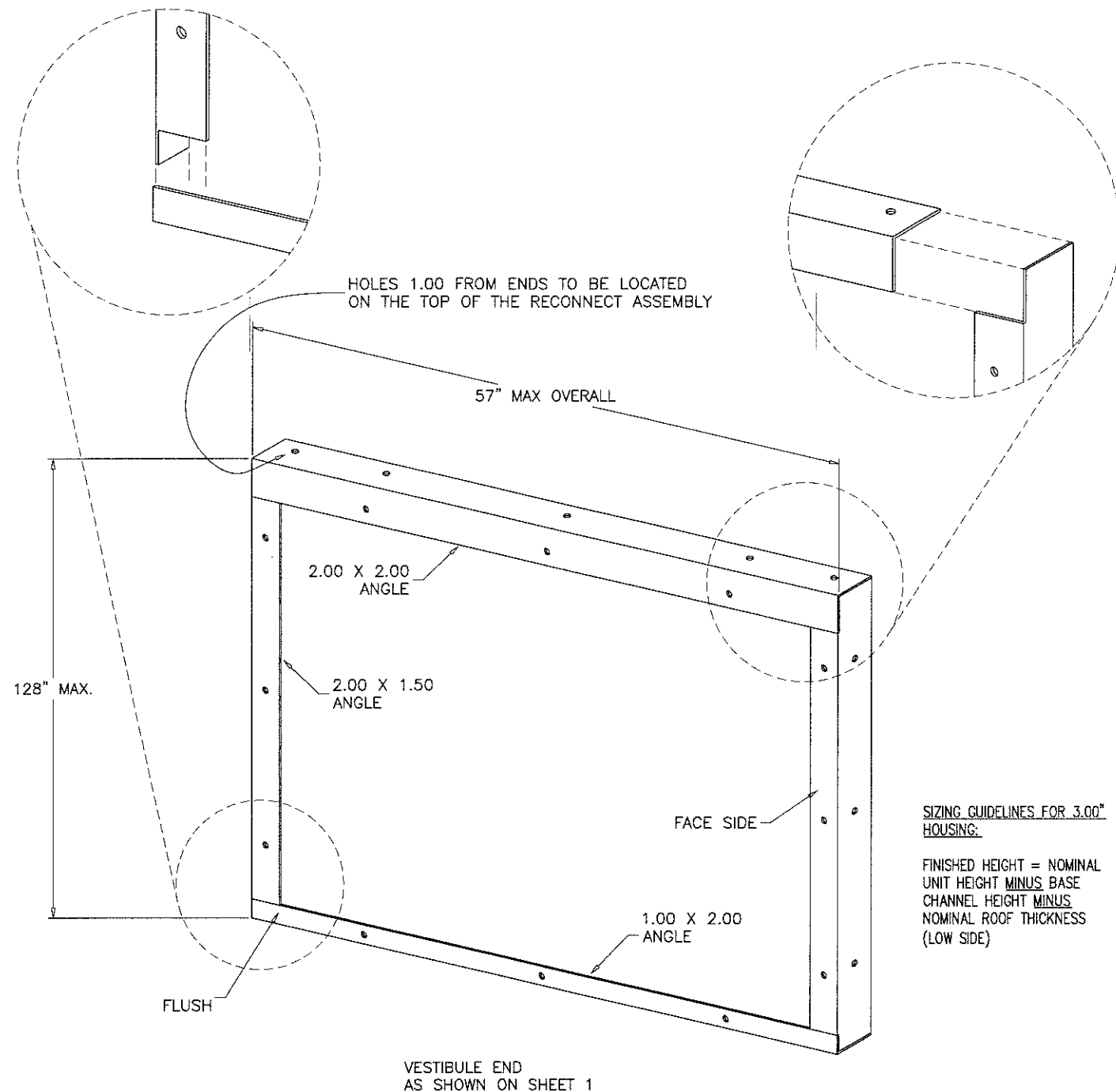
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revisions:

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A	04.16.13		NO CHANGE THIS SHEET
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 dr. by: TARIQ
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12-06
 sheet 12 of 19



NOTES:

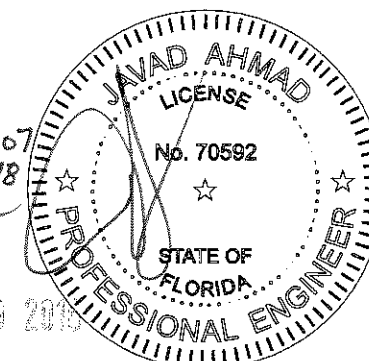
1. WELD INTO ASSY. WHERE APPLICABLE, ALL WELDS ARE CONTINUOUS 0.18\"
2. THERE MAY BE TIMES WHEN COMPONENTS MAY INTERFERE WITH THE INTERIOR SUPPORT(S). THIS WOULD TYPICALLY HAPPEN AT FAN DISCHARGE/INTAKE WALLS AND WHEN FILTERS ARE LOADED ACROSS A SPLIT. IN THESE SITUATIONS, THE DETAILER IS RESPONSIBLE FOR PROVIDING THE SHOP A LAYOUT SPECIFYING THE LOCATION OF THE SUPPORT(S).
3. THE STANDARD MATERIAL TYPE IS 12 GA G90.
4. PART LENGTH = FINISHED ASSY HEIGHT - 0.25\"

**INTERNAL RECONNECT ASSEMBLY
FOR AIRWAY WIDTHS AND
CORRIDOR UNIT LENGTHS**

SIZING GUIDELINES FOR 3.00\"

FINISHED HEIGHT = NOMINAL
UNIT HEIGHT MINUS BASE
CHANNEL HEIGHT MINUS
NOMINAL ROOF THICKNESS
(LOW SIDE)

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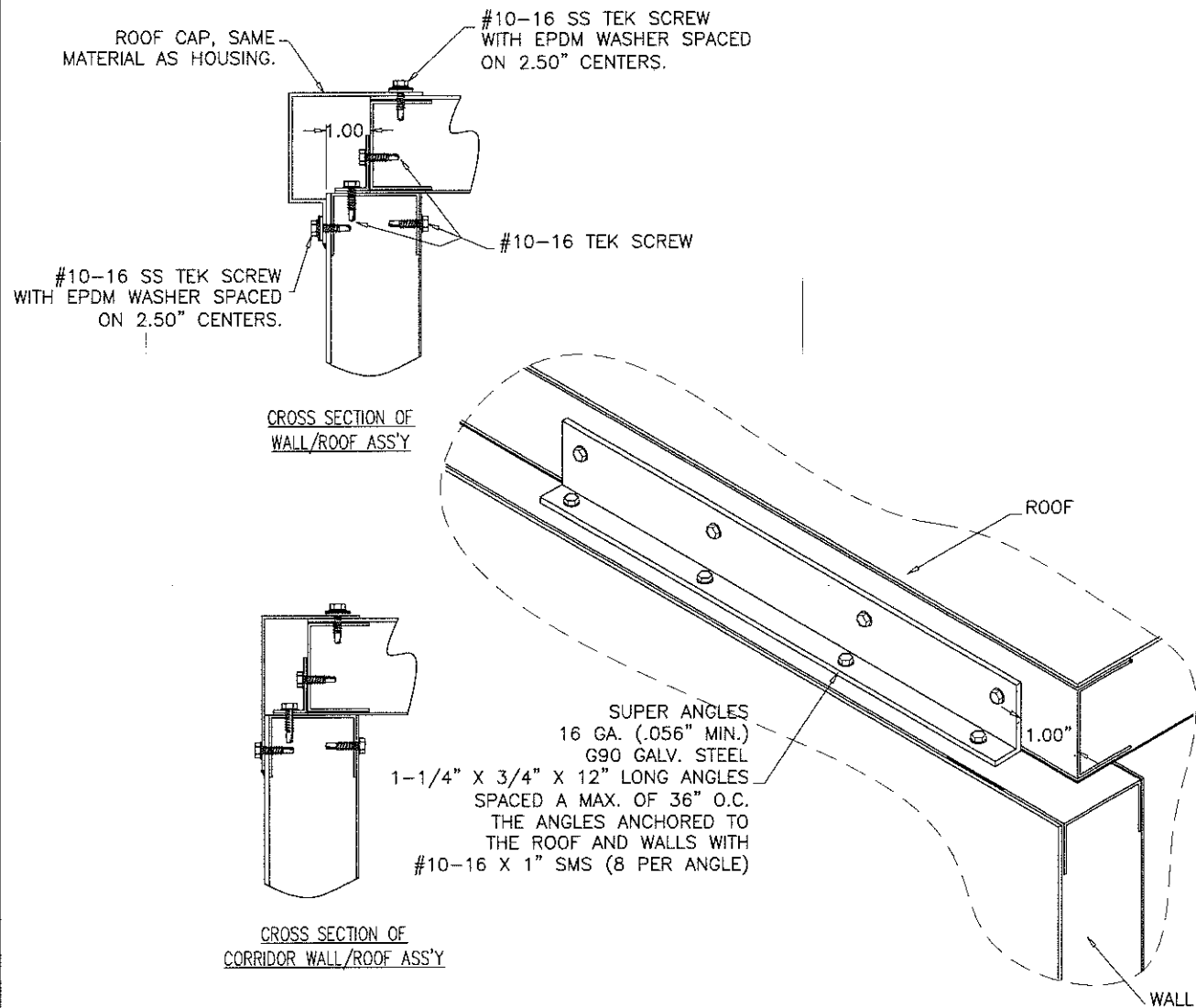
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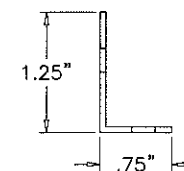
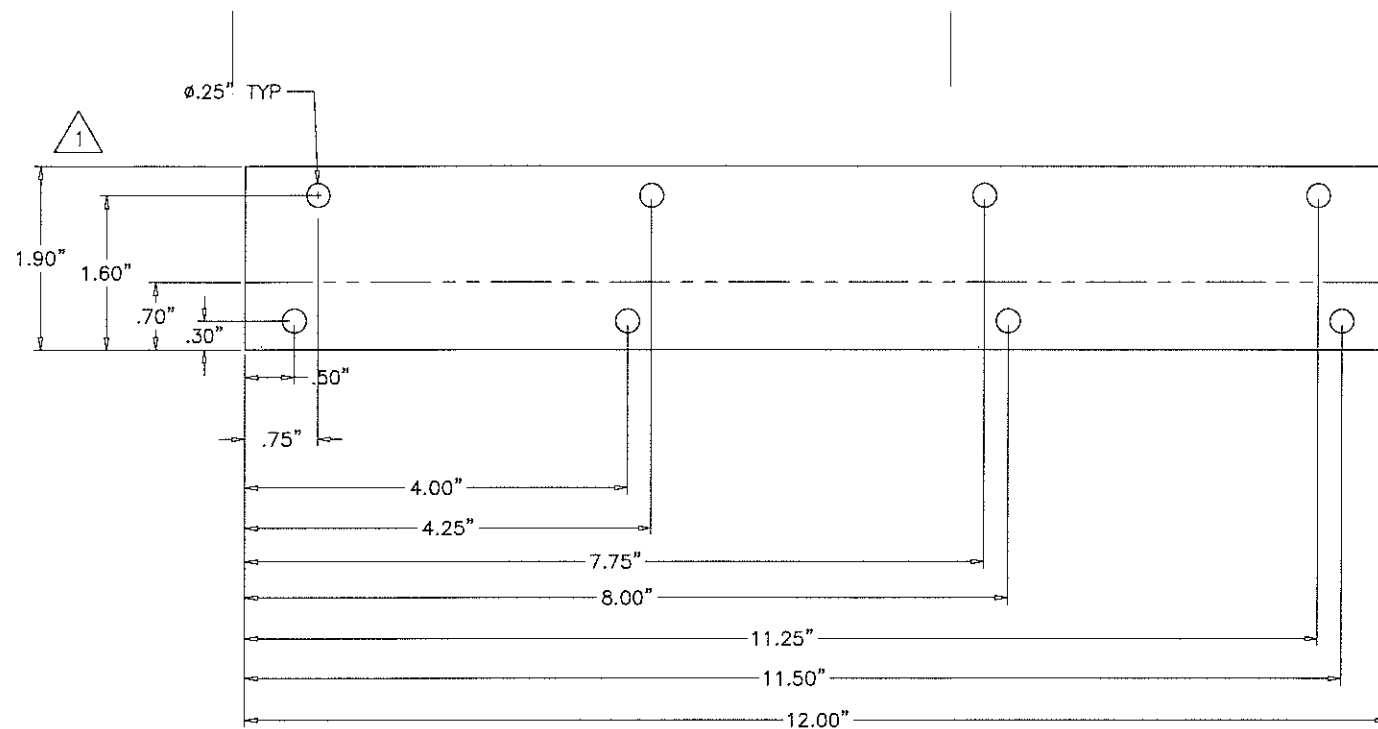
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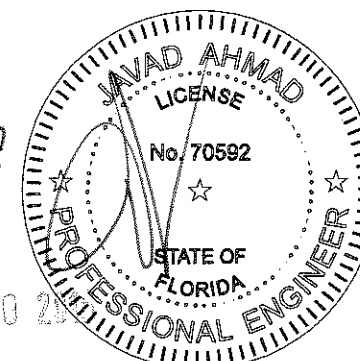
1. THE PURPOSE OF THE ANGLE IS TWO-FOLD. TO LIMIT LATERAL MOVEMENT OF THE WALL WHEN UNDER PRESSURE AND TO MAKE THE FIT OF THE ROOF LINER TO THE WALL LINER AS TIGHT AS REASONABLY POSSIBLE.
2. ROOF SIDES REQUIRE ANGLES ON 36" MAX. CENTERS.
3. ANGLES ARE REQUIRED AT EVERY COIL PANEL, HOUSING SPLIT(1" FROM SPLIT ON EACH SIDE OF SPLIT), AND 6" FILTER DOOR AS SHOWN ABOVE.

WALL TO ROOF ATTACHMENT GUIDELINES



WALL TO ROOF ATTACHMENT ANGLE

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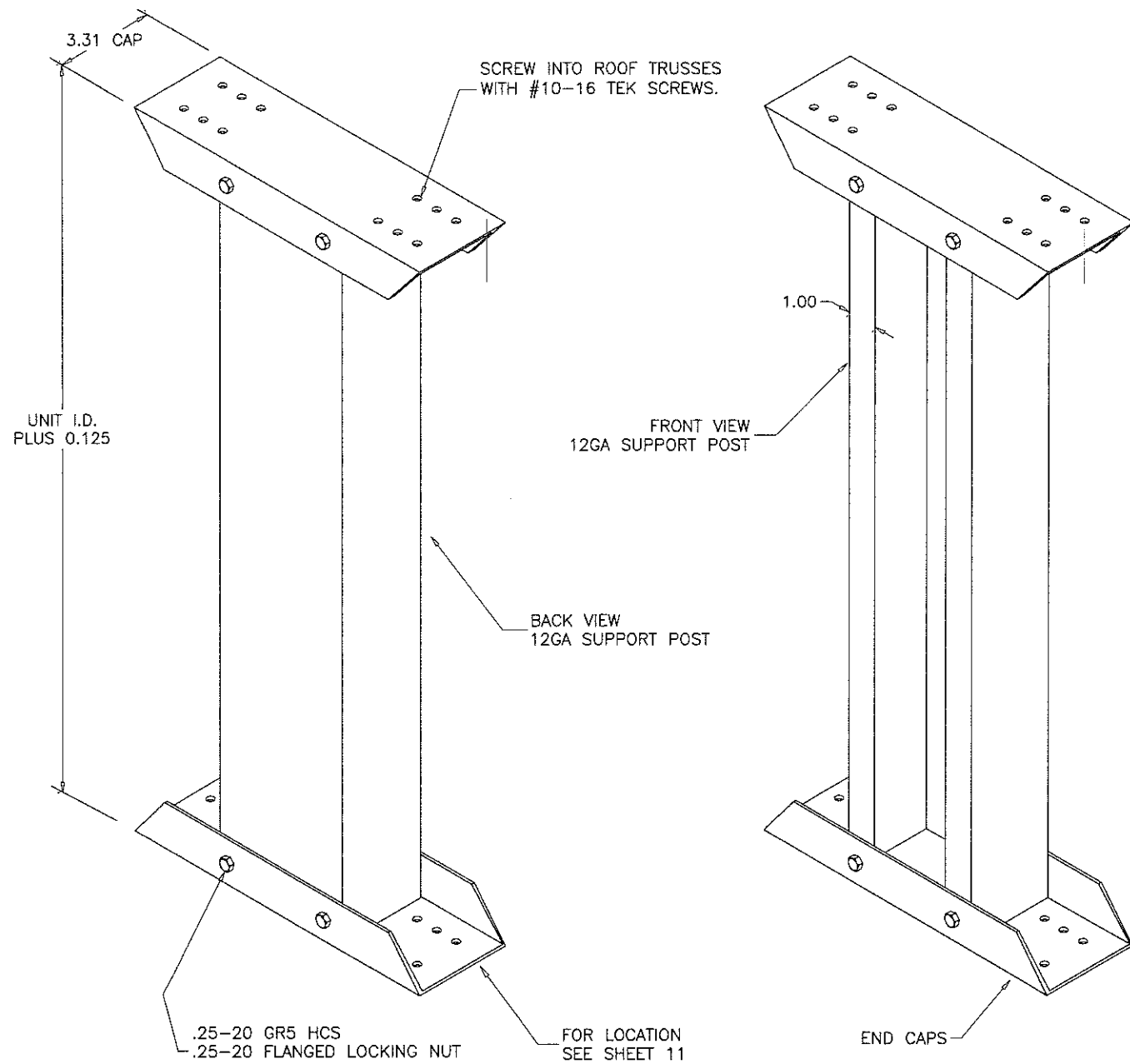
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sheet 14 of 19

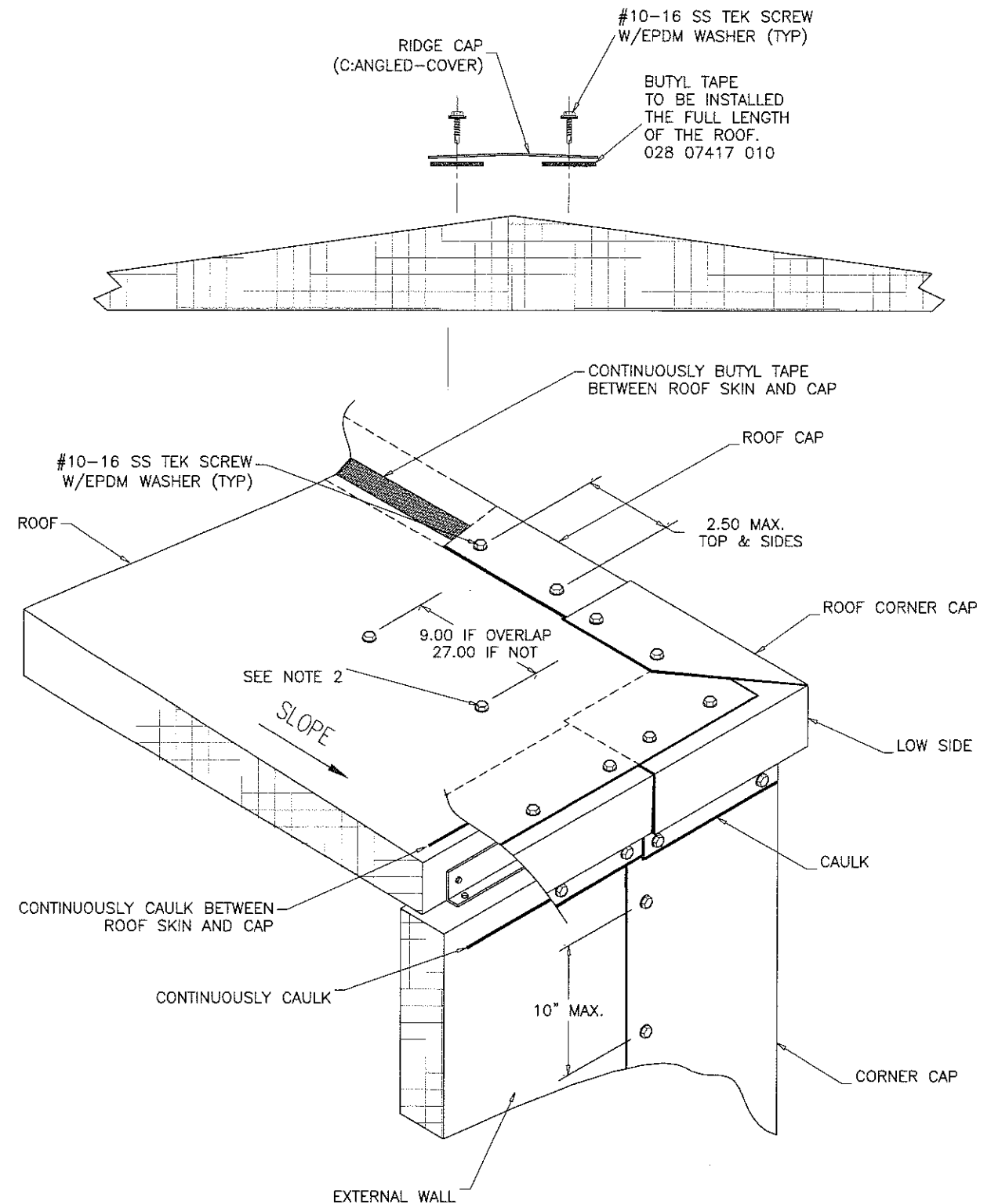


SEE SHEET 11 FOR LOCATION

NOTES:

1. AS A STANDARD ROOF SUPPORT POSTS ARE REQUIRED ON ROOFS WHEN SPAN IS GREATER THAN 60" IN DIRECTION OF AIRFLOW AND ROOFS SPLIT DUE TO DOUBLE SLOPE REQUIREMENTS.
2. USE #10-16 TEK SCREW FOR SECURING COLUMN BASE TO FLOOR.
3. USE STAINLESS STEEL FASTENERS ON STAINLESS CAP AND BASE.

**TWO PIECE ROOF
PERMANENT SUPPORT**

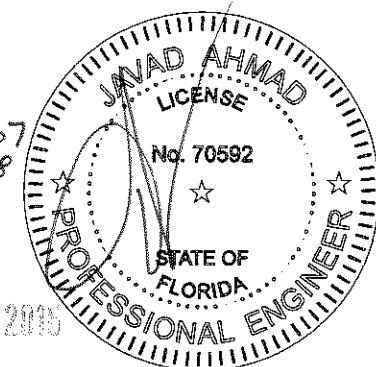


NOTES:

1. ALL LAP JOINTS MUST HAVE CAULK BETWEEN THE LAP. SURFACE CAULKING ONLY IS NOT ACCEPTABLE.
2. UNIT ASSEMBLY TO INSTALL SCREWS INTENTIONALLY LEFT OUT BY ROOF BUILDERS
3. HIGH SIDE INSTALLATION IS THE SAME AS ON INDOOR ROOFS.

**OUTDOOR UNIT
ROOF CAP INSTALLATION**

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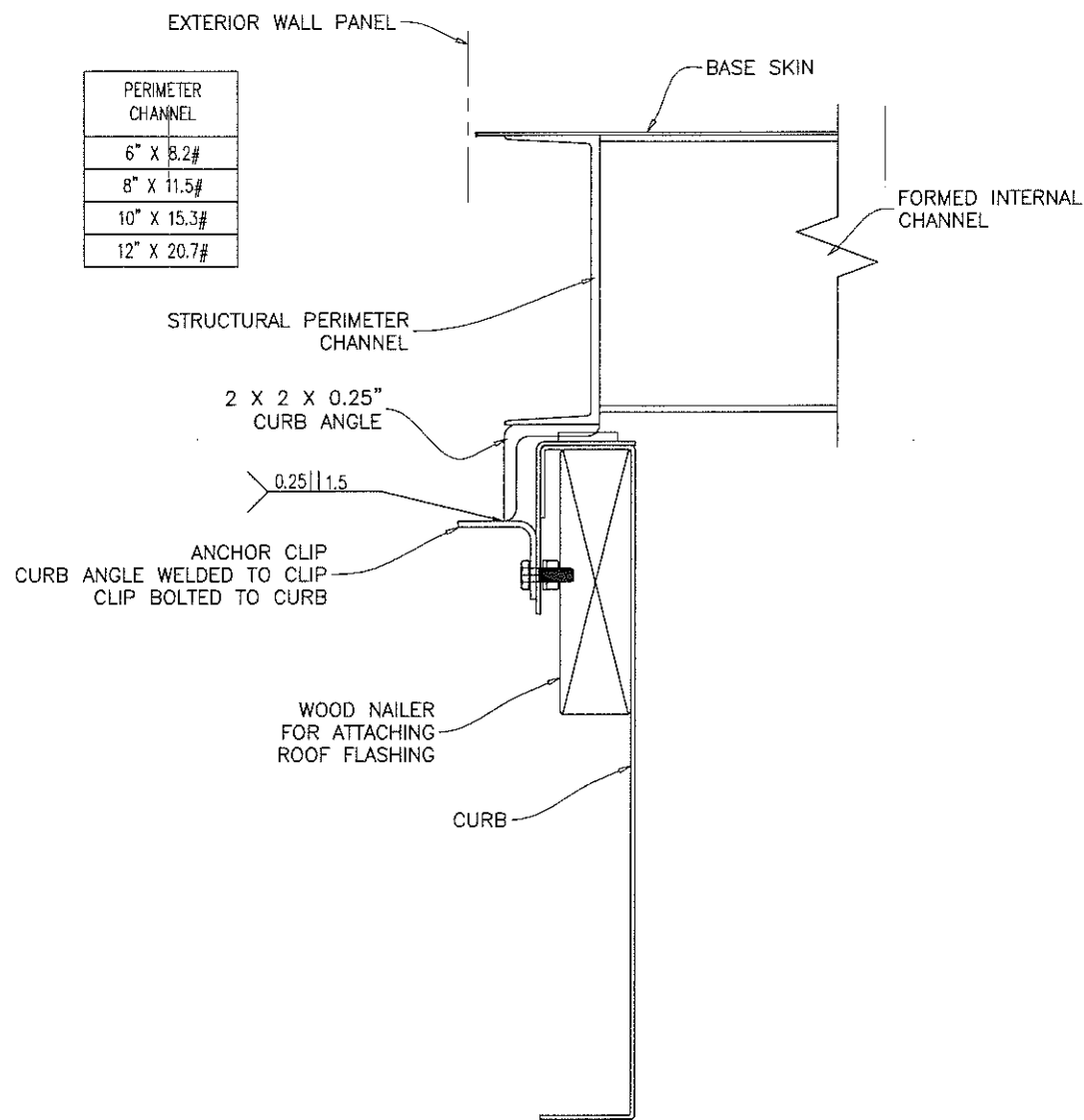
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dr. by: TARIQ
chk. by:

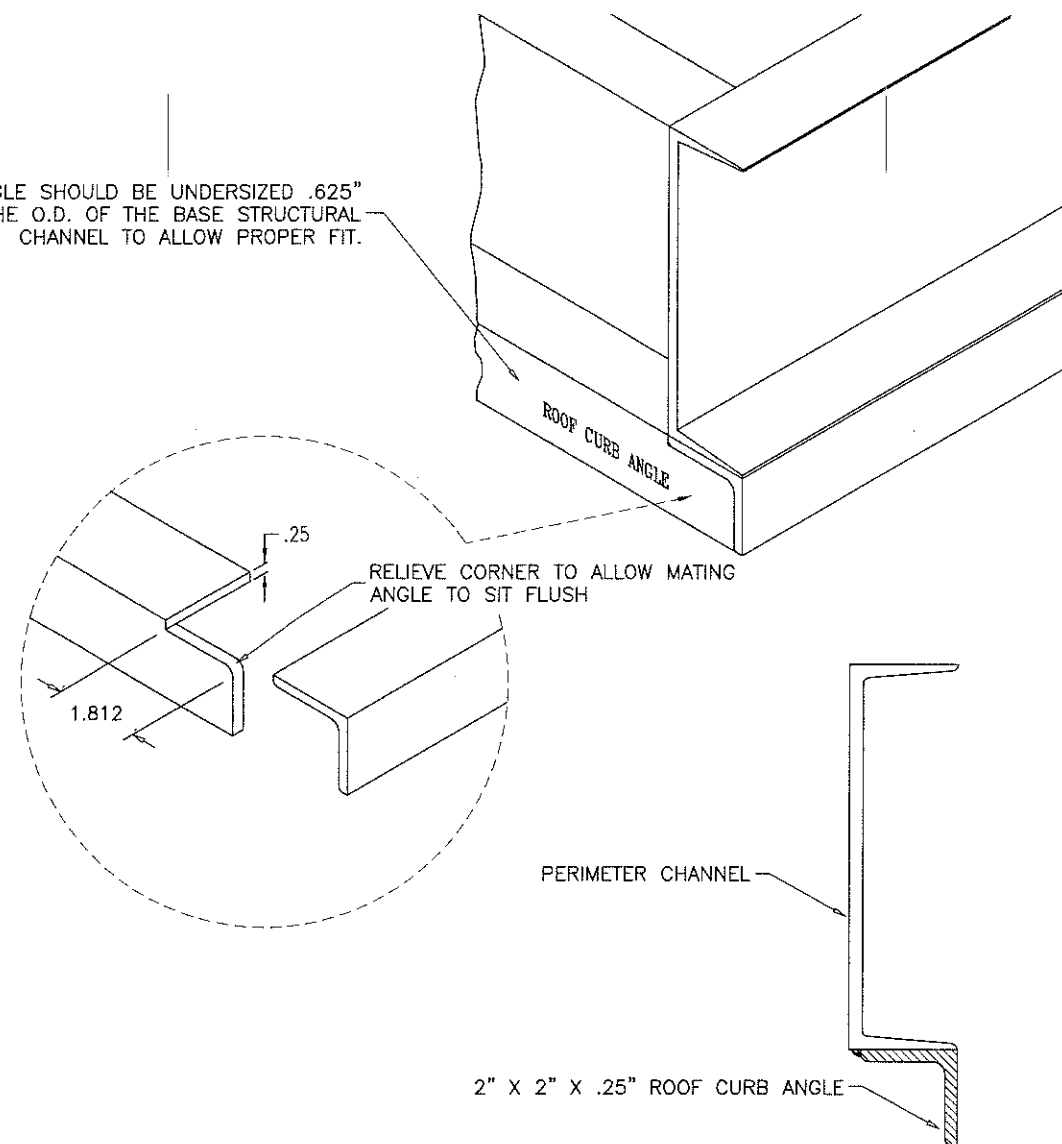
drawing no.
12-06
sheet 15 of 19



ROOF CURB HOLD DOWN DETAIL

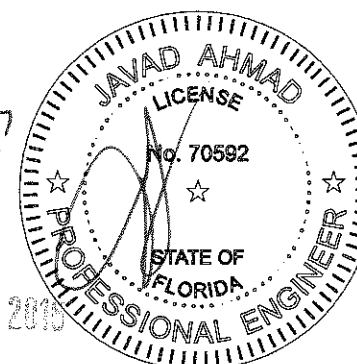
SHALL BE DESIGNED FOR EACH SITE SPECIFIC BY A FLORIDA P.E.
AND REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT.

ANGLE SHOULD BE UNDERSIZED .625"
FROM THE O.D. OF THE BASE STRUCTURAL
CHANNEL TO ALLOW PROPER FIT.



ROOF CURB ANGLE MOUNTING GUIDELINES AT BASE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0614.07
Expiration Date 12/26/2018
By: *Heba A. Mark*
Miami Dade Product Control



JUN 10 2010

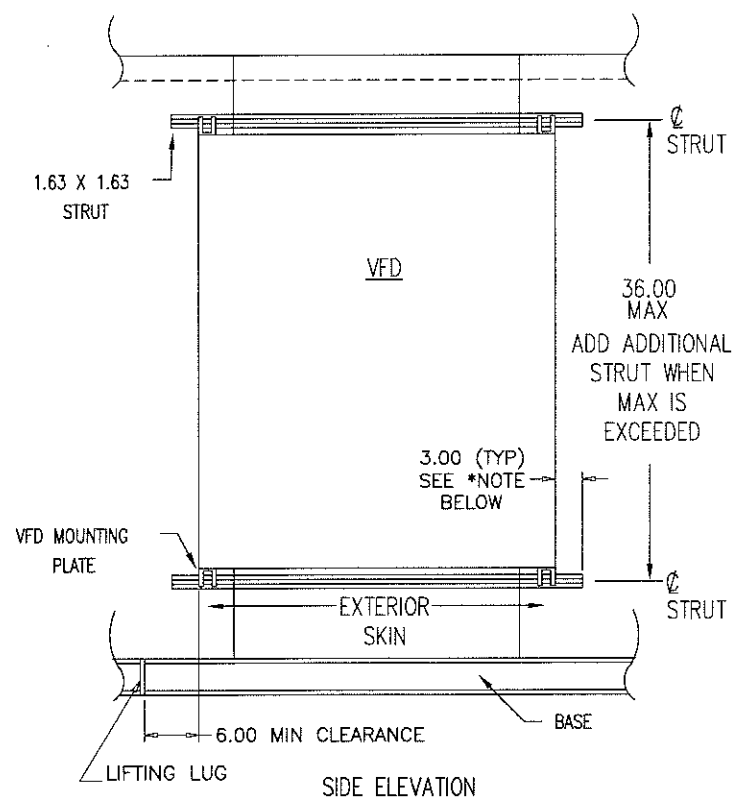
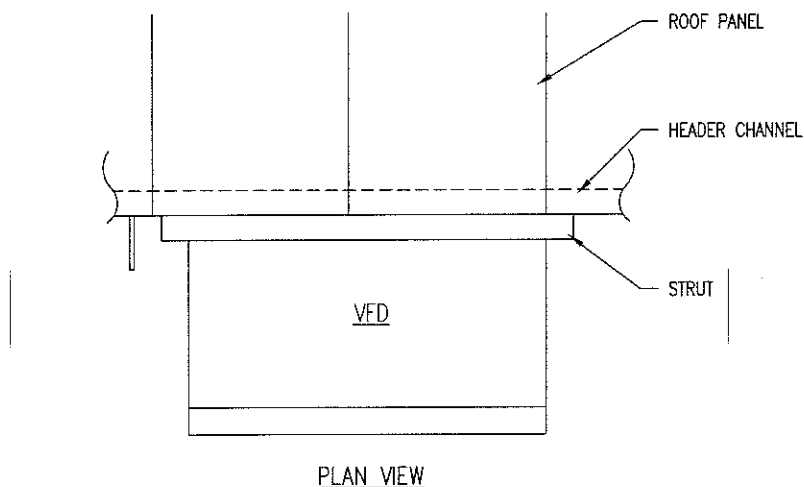
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COOLER\12-06\1C

YORK Custom (PACE & Miller-Picking) Air Handler Unit
YORK/JOHNSON CONTROLS INC.
1499 EAST PHILADELPHIA STREET
YORK, PA. 17403
TEL. (717) 815-4218 FAX. (717) 815-4198

no	date	by	description
A	04.16.13		NO CHANGE THIS SHEET
B	06.21.13		REV. PER PER COMMENTS
C	10.01.13		REV. PER PER COMMENTS
D	08.22.14		NO CHANGE THIS SHEET
E	06.09.16		SERIES NAME REV.

date: 12-10-12
scale: -
dr. by: TARIQ
chk. by:

drawing no.
12-06
sheet 16 of 19



*OVERHANG TO BE MAINTAINED IF POSSIBLE ON NEMA 1 BOXES.
*OVERHANG MUST BE MET OR EXCEEDED WHEN BOX IS NEMA 3R

SURFACE MOUNT VFD MOUNTING DETAILS

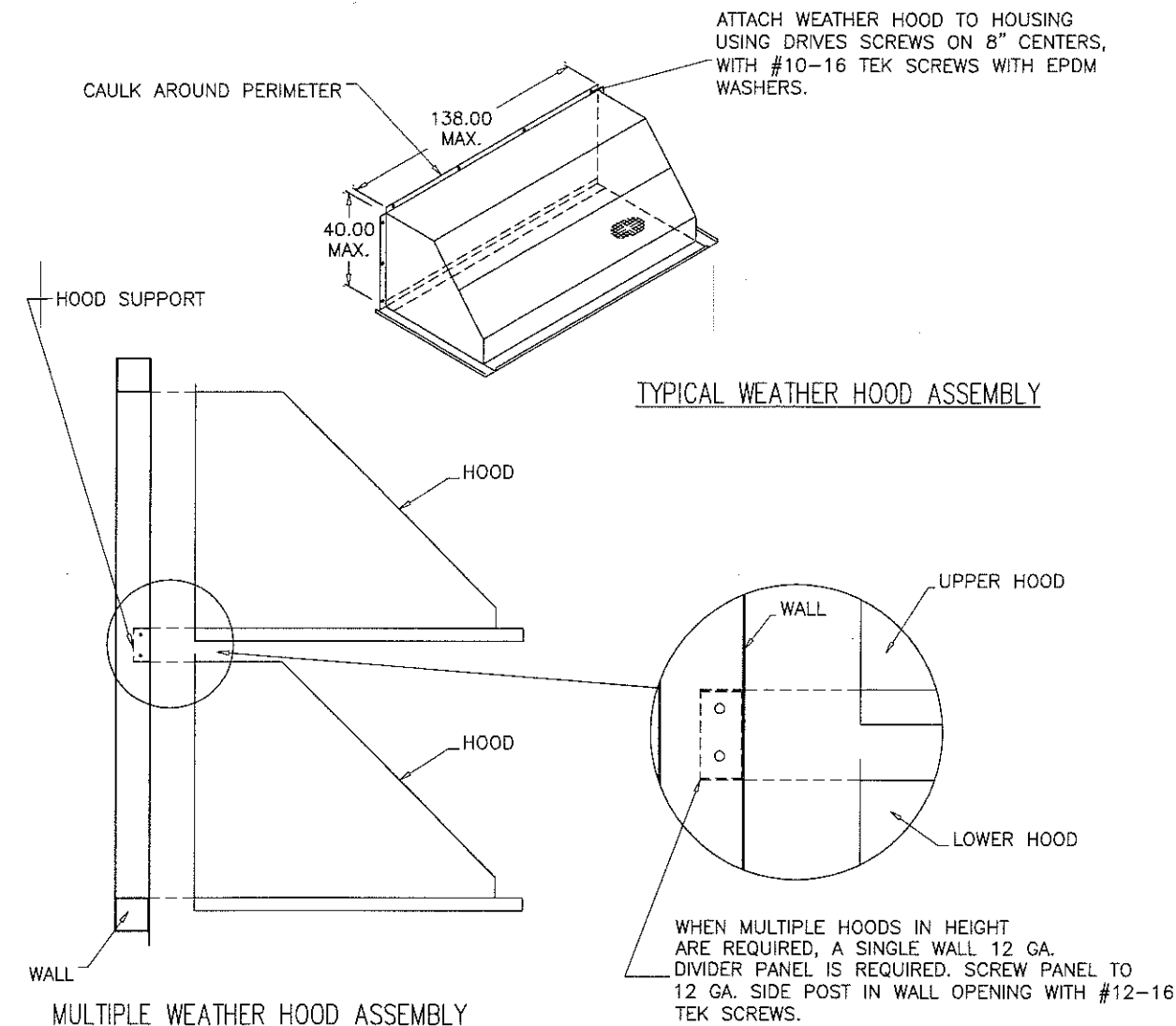
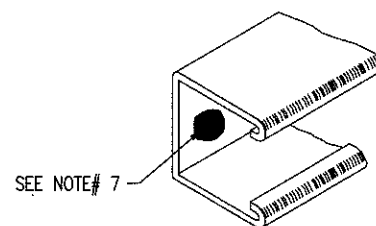
DETAILING NOTES:

1. STRUTS FOR VFD'S WEIGHING MORE THAN 250lbs WILL BE MOUNTED WITH #12-16 TEK SCREW. DETERMINE FASTENER QTY PER STRUT USING THE FOLLOWING FORMULA: ROUND UP (WEIGHT OF PANEL DIVIDED BY 40), ADDITIONAL CHANNELS ADDED IN WALL PANEL BEHIND VFD'S.

2. STRUTS FOR VFD'S WEIGHING LESS THAN 250lbs WILL BE MOUNTED WITH #10-16 TEK SCREW. DETERMINE FASTENER QTY PER STRUT USING THE FOLLOWING FORMULA: ROUND UP (WEIGHT OF PANEL DIVIDED BY 30)

ASSEMBLY NOTES:

1. ELECTRIC DEPT. TO DRILL .313" DIAMETER HOLES IN THE UNISTRUT TO MATCH THE ABOVE SPACING FOR 250lbs AND OVER VFD'S.
2. CAULK PANEL SEAMS THAT WILL BE COVERED BY STRUT AND POWER PANEL.
3. ADD .13 X .75 GASKET TAPE TO BACK SIDE OF BOTH UPPER AND LOWER STRUTS. GASKET TAPE SHOULD BE CENTERED ON HOLE AND RUN THE FULL LENGTH OF THE STRUT.
4. FOR VFD'S 250lbs AND OVER, SCREW UPPER AND LOWER STRUTS TO WALL WITH #12-16 TEK SCREWS. FOR VFD UNDER 250lbs SCREW UPPER AND LOWER STRUT TO EXTERIOR USING #12-16 TEK SCREW.
5. DRILL TWO .4375 INCH DIAMETER HOLES FOR EACH PIECE OF STRUT IN THE BACK OF PANEL TO MATCH STRUTS LOCATIONS.
6. BOLT POWER PANEL/CONTROL PANEL TO STRUT USING .38 ELECTRIC SPRINGS NUTS AND .38 X 1.0 NC GRADE 2 HCS.
7. CAULKING STRUT IS NOT REQUIRED, BUT DRIVE SCREW HEADS SHOULD BE CAULKED ON OUTDOOR UNITS.



40" MAX. HOOD HEIGHT WHEN SINGLE HOOD IS USED
LIMIT MAX. HEIGHT TO 20" WHEN MULTIPLE HOODS ARE USED.

SIZING GUIDELINES:

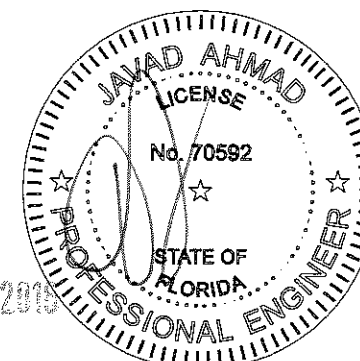
1. 60" WEATHER HOODS ARE AVAILABLE IN ANY HEIGHT FROM 12.00 INCHES TO 45.00 INCHES. ONLY BY SQ.
2. 90" WEATHER HOODS ARE AVAILABLE IN HEIGHTS UP TO 40".
3. WEATHER HOODS ARE AVAILABLE IN WHOLE NUMBER WIDTHS FROM 16.00 INCHES TO 138.00 INCHES.

MATERIAL:

1. STANDARD WEATHER HOOD MATERIAL IS 16GA PRE-PAINTED.

WEATHER HOOD SIZING & CONSTRUCTION GUIDELINES

PRODUCT REVISED
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By *[Signature]*
Miami Data Product Control



afcc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978

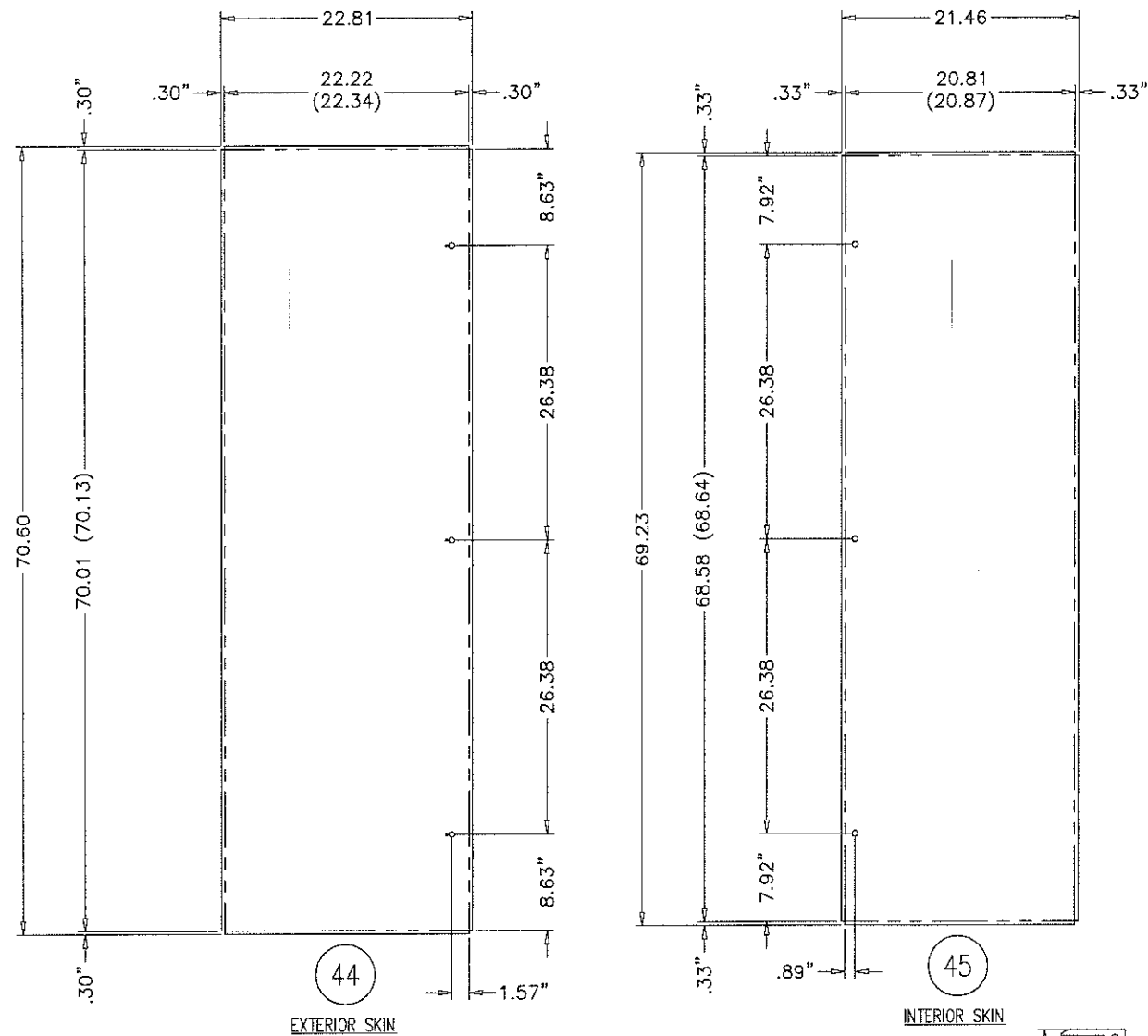
YORK Custom (PACE & Miller-Picking) Air Handler Unit
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1499 EAST PHILADELPHIA STREET
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revisions:	no	date	description
	A	04.16.13	NO CHANGE THIS SHEET
	B	06.21.13	REV. PER RER COMMENTS
	C	10.01.13	NO CHANGE THIS SHEET
	D	08.22.14	NO CHANGE THIS SHEET
	E	06.09.16	SERIES NAME REV.

date: 12-10-12	scale: -	dr. by: TARIQ	chk. by:
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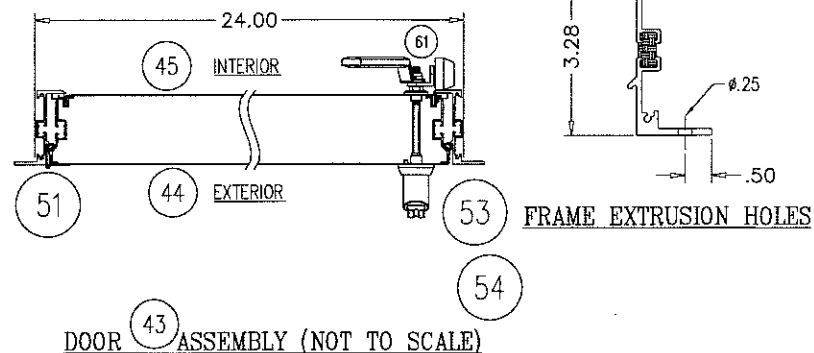
drawing no.
12-06
sheet 17 of 19

ALL DIMENSIONS SHOWN ARE IN INCHES.



NOTES:

1. STAINLESS DOOR FASTENERS REQUIRED.
2. DOOR EXTRUSION LENGTH TOLERANCES ARE ± 0.03 .
3. USE $1/32$ " RADIUS DIE TO FORM PARTS.
4. FINISHED SKIN DIMENSIONS ARE IN (). TOLERANCE IS ± 0.05 .
5. DOOR SKINS ARE DRAWN BRAKES DOWN (PRE-PAINTED SIDE UP WHEN REQUIRED).
6. PAD-LOCKABLE DOOR HANDLES REQUIRED.
7. OUTSWING PRESSURIZED SAFETY LATCHES NOT REQUIRED.
8. HINGE LENGTH = 69.13.



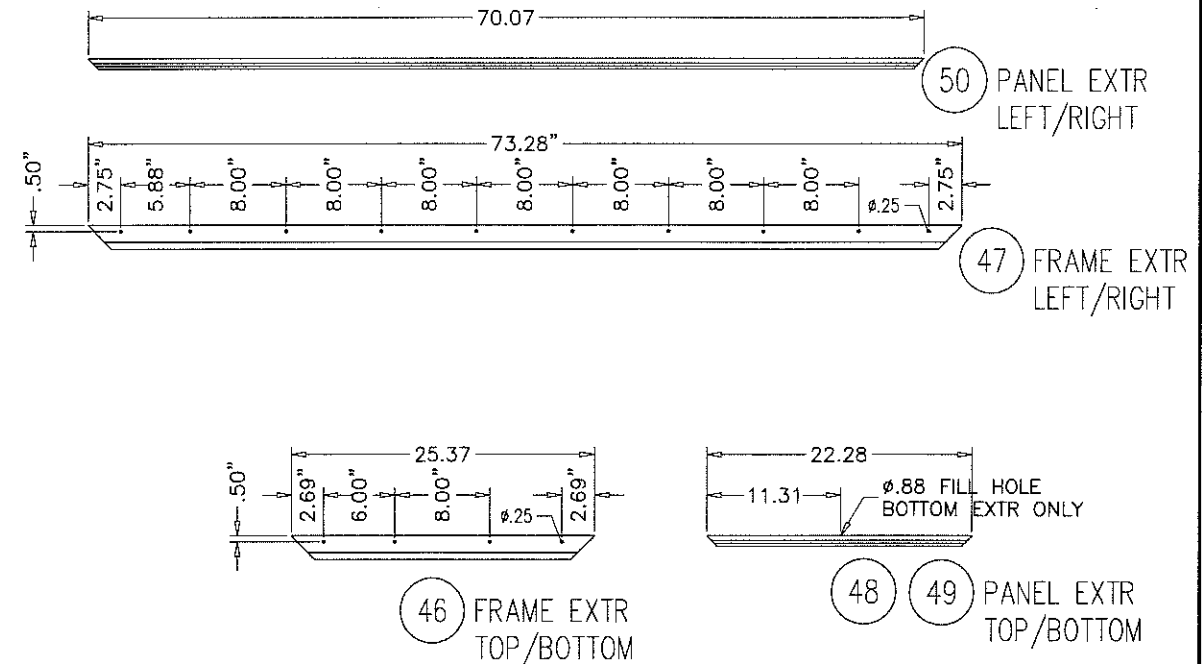
.080 ALUMINUM EXTERIOR SKIN & 20 GA. (.034" MIN.) INTERIOR SKIN

24 X 72 ACCESS DOOR LEFT HAND

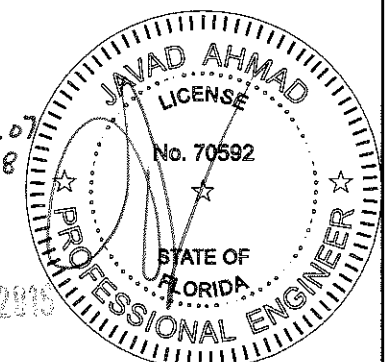
OUTSWING DOOR WITH (3) ROTATIONAL DOOR LATCHES AT 6-1/2" TO 9-1/2" FROM EACH CORNER AND AT MIDPOINT
AND THERMAL BREAK ALUMINUM EXTRUDED Z FRAME

LEVEL	ITEM	*PART NO.	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
	43		1	LATCH STD	ACCESS DOOR 24.00 X 72.00 L-O	7.02	1
	51	* 029 24600 000	1		PIANO HINGE 304SS		1
	44		1	EXTERIOR SKIN	22.81 X 70.60 X SHEET,AL,3003H14,.080		1
	47		2	FRAME EXTR LTH	EXTRUSION,FRAME,TB,OUTSWING,3 X 73.25		2
	46		2	FRAME EXTR T/B	EXTRUSION,FRAME,TB,OUTSWING,3 X 25.37		2
	45		1	INTERIOR SKIN	21.46 X 69.23 X SHEET,GLV,G90,20GA		1
	61	* 021 30402 004	1	NUT	NUT,NYLOK,PLTD,.31-18		1
	54	391 20028 001	2	OS LATCH ASSY	3" OS LATCH ASSY PLT		2
	53	391 20030 001	1	OS LATCH ASSY	3" Pad Lock OS LATCH ASSY PLT		1
	48		1	PANEL EXTR BTM	EXTRUSION,TB,DOOR,3 X 22.28		1
	50		2	PANEL EXTR L/R	EXTRUSION,TB,DOOR,3 X 70.07		2
	49		1	PANEL EXTR TOP	EXTRUSION,TB,DOOR,3 X 22.28		1

* ACTUAL DOOR HEIGHT IS 0.25" LESS THAN NOMINAL DOOR HEIGHT *



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COOLER 12-06YIC

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no	date	description
A	04.16.13	Rev. Items 219, 220, & 63
B	06.21.13	REV. PER PER COMMENTS
C	10.01.13	REV. PER PER COMMENTS
D	08.22.14	NO CHANGE THIS SHEET
E	06.09.16	SERIES NAME REV.

date: 12-10-12
scale: 3/4"=1'-0"
dr. by: TARIQ
chk. by:
drawing no. 12-06
sheet 18 of 19

ALL DIMENSIONS SHOWN ARE IN INCHES.

afcc

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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COOLER 12-06YC

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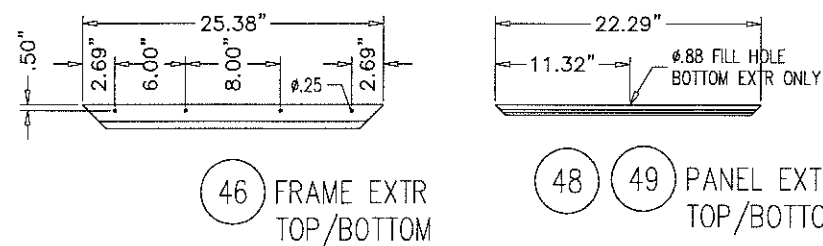
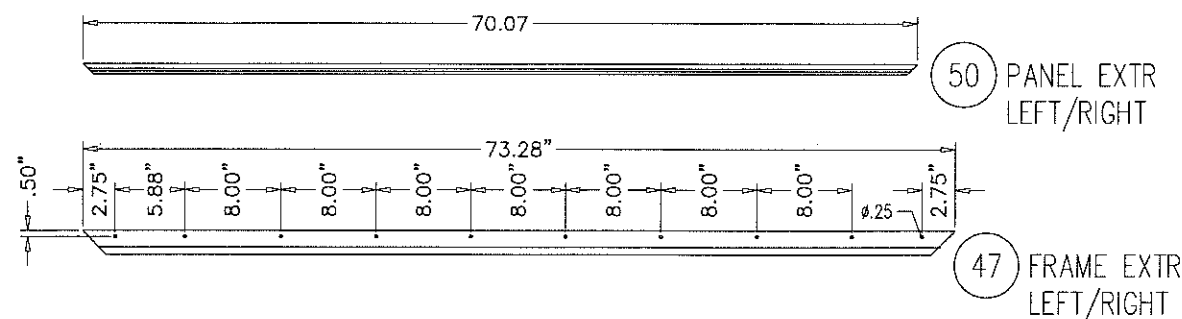
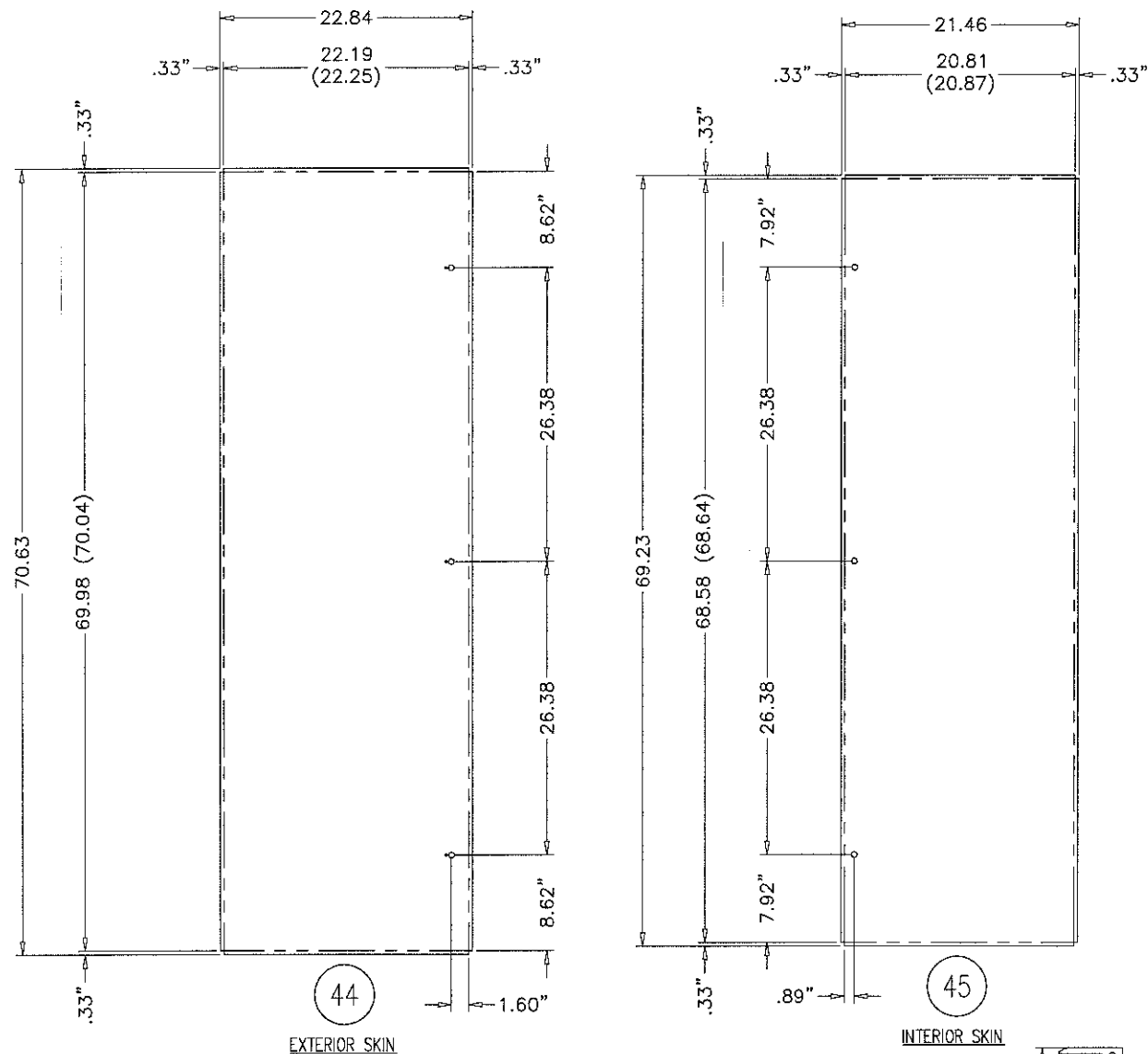
no	date	by	description
A	04.16.13	Rev	Item Numbers
B	06.21.13	REV.	PER PER COMMENTS
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D	08.22.14	NO	CHANGE THIS SHEET
E	06.09.16	SERIES	NAME REV.

date: 12-10-12
scale: 3/4"=1'-0"
dr. by: TARIQ
chk. by:

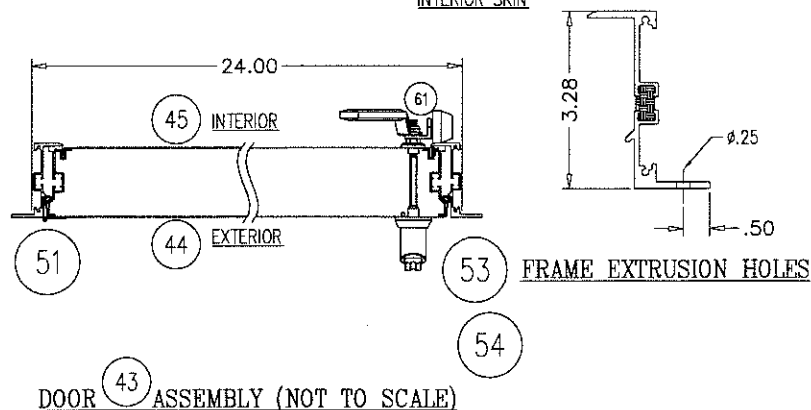
drawing no.
12-06
sheet 19 of 19

LEVEL	ITEM	*PART NO.	TOTAL QTY.	SORT FIELD	DESCRIPTION	SHEET/REF.	QTY. ONE
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	51	* 029 24600 000	1		PIANO HINGE 304SS		1
	44		1	EXTERIOR SKIN	22.84 X 70.63 X SHEET, GLV, G90, 20GA		1
	47		2	FRAME EXTR L/TCH	EXTRUSION, FRAME, TB, OUTSWING, 3 X 73.25		2
	46		2	FRAME EXTR T/B	EXTRUSION, FRAME, TB, OUTSWING, 3 X 25.37		2
	45		1	INTERIOR SKIN	21.46 X 69.23 X SHEET, GLV, G90, 20GA		1
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	49		1	PANEL EXTR TOP	EXTRUSION, TB, DOOR, 3 X 22.28		1

* ACTUAL DOOR HEIGHT IS 0.25" LESS THAN NOMINAL DOOR HEIGHT *

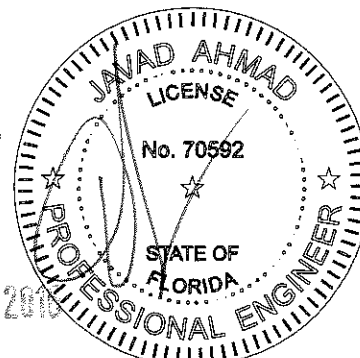


- NOTES:**
1. STAINLESS DOOR FASTENERS REQUIRED.
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 8. HINGE LENGTH = 69.04.



20 GA. (.034" MIN.) STEEL EXTERIOR & INTERIOR SKIN
24 X 72 ACCESS DOOR LEFT HAND
OUTSWING DOOR WITH (3) ROTATIONAL DOOR LATCHES AT 6-1/2" TO 9-1/2" FROM EACH CORNER AND AT MIDPOINT
AND THERMAL BREAK ALUMINUM EXTRUDED Z FRAME

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By: *Heidi A. Miller*
Miami Data Product Control



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